

Xin Zhao

List of Publications by Year in descending order

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174
papers

8,724
citations

41258

49
h-index

54797

84
g-index

176
all docs

176
docs citations

176
times ranked

10987
citing authors

#	ARTICLE	IF	CITATIONS
1	Functional and Biomimetic Materials for Engineering of the Three-Dimensional Cell Microenvironment. <i>Chemical Reviews</i> , 2017, 117, 12764-12850.	23.0	582
2	Permeable superelastic liquid-metal fibre mat enables biocompatible and monolithic stretchable electronics. <i>Nature Materials</i> , 2021, 20, 859-868.	13.3	407
3	<i>Escherichia coli</i> and <i>Staphylococcus aureus</i> Elicit Differential Innate Immune Responses following Intramammary Infection. <i>Vaccine Journal</i> , 2004, 11, 463-472.	2.6	403
4	The bovine neutrophil: Structure and function in blood and milk. <i>Veterinary Research</i> , 2003, 34, 597-627.	1.1	348
5	An injectable self-healing coordinative hydrogel with antibacterial and angiogenic properties for diabetic skin wound repair. <i>NPG Asia Materials</i> , 2019, 11, .	3.8	260
6	Graphene-based nanomaterials for drug and/or gene delivery, bioimaging, and tissue engineering. <i>Drug Discovery Today</i> , 2017, 22, 1302-1317.	3.2	258
7	Defense of the bovine mammary gland by polymorphonuclear neutrophil leukocytes. <i>Journal of Mammary Gland Biology and Neoplasia</i> , 2002, 7, 109-121.	1.0	226
8	Prebiotics and gut microbiota in chickens. <i>FEMS Microbiology Letters</i> , 2015, 362, fnv122.	0.7	198
9	Transcriptome microRNA profiling of bovine mammary epithelial cells challenged with <i>Escherichia coli</i> or <i>Staphylococcus aureus</i> bacteria reveals pathogen directed microRNA expression profiles. <i>BMC Genomics</i> , 2014, 15, 181.	1.2	154
10	Xylo-oligosaccharides and virginiamycin differentially modulate gut microbial composition in chickens. <i>Microbiome</i> , 2015, 3, 15.	4.9	127
11	Bacterial lipopolysaccharide induces increased expression of toll-like receptor (TLR) 4 and downstream TLR signaling molecules in bovine mammary epithelial cells. <i>Veterinary Research</i> , 2008, 39, 11.	1.1	127
12	Epigenetic marks: regulators of livestock phenotypes and conceivable sources of missing variation in livestock improvement programs. <i>Frontiers in Genetics</i> , 2015, 6, 302.	1.1	125
13	Characterization of cytokine expression in milk somatic cells during intramammary infections with <i>Escherichia coli</i> or <i>Staphylococcus aureus</i> by real-time PCR. <i>Veterinary Research</i> , 2006, 37, 219-229.	1.1	124
14	Mussel-inspired dopamine-Cull coatings for sustained in situ generation of nitric oxide for prevention of stent thrombosis and restenosis. <i>Biomaterials</i> , 2019, 194, 117-129.	5.7	110
15	Porphyritic Metal-Organic Framework PCN-224 Nanoparticles for Near-Infrared-Induced Attenuation of Aggregation and Neurotoxicity of Alzheimer's Amyloid- β Peptide. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 36615-36621.	4.0	107
16	Graphene-Based Nanocomposites for Neural Tissue Engineering. <i>Molecules</i> , 2019, 24, 658.	1.7	107
17	Novel Type XII Staphylococcal Cassette Chromosome <i>mecA</i> Harboring a New Cassette Chromosome Recombinase, Ccr2. <i>Antimicrobial Agents and Chemotherapy</i> , 2015, 59, 7597-7601.	1.4	101
18	Electrospun polymeric micro/nanofibrous scaffolds for long-term drug release and their biomedical applications. <i>Drug Discovery Today</i> , 2017, 22, 1351-1366.	3.2	99

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19	Mussel-inspired catalytic selenocystamine-dopamine coatings for long-term generation of therapeutic gas on cardiovascular stents. <i>Biomaterials</i> , 2018, 178, 1-10.	5.7	99
20	Bioclickable and mussel adhesive peptide mimics for engineering vascular stent surfaces. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 16127-16137.	3.3	99
21	Genome-wide DNA Methylation Profiles and Their Relationships with mRNA and the microRNA Transcriptome in Bovine Muscle Tissue (<i>Bos taurine</i>). <i>Scientific Reports</i> , 2015, 4, 6546.	1.6	97
22	High density genome wide genotyping-by-sequencing and association identifies common and low frequency SNPs, and novel candidate genes influencing cow milk traits. <i>Scientific Reports</i> , 2016, 6, 31109.	1.6	93
23	Lipases from Mammals and Fishes. <i>Reviews in Fisheries Science</i> , 2009, 17, 18-40.	2.1	92
24	Comparative Analysis of the miRNome of Bovine Milk Fat, Whey and Cells. <i>PLoS ONE</i> , 2016, 11, e0154129.	1.1	91
25	A decade of progress in liver regenerative medicine. <i>Biomaterials</i> , 2018, 157, 161-176.	5.7	89
26	Proteomics, Genomics, and Pathway Analyses of <i>Escherichia coli</i> and <i>Staphylococcus aureus</i> Infected Milk Whey Reveal Molecular Pathways and Networks Involved in Mastitis. <i>Journal of Proteome Research</i> , 2010, 9, 4604-4619.	1.8	81
27	Endothelium-Mimicking Multifunctional Coating Modified Cardiovascular Stents via a Stepwise Metal-Catechol-(Amine) Surface Engineering Strategy. <i>Research</i> , 2020, 2020, 9203906.	2.8	81
28	<i>Euryale Ferox</i> Seed-Inspired Superlubricated Nanoparticles for Treatment of Osteoarthritis. <i>Advanced Functional Materials</i> , 2019, 29, 1807559.	7.8	80
29	Bone- <i>Ca</i> -Petite: Engineering Exosomes towards Bone, Osteochondral, and Cartilage Repair. <i>Small</i> , 2021, 17, e2101741.	5.2	79
30	Cartilage matrix-inspired biomimetic superlubricated nanospheres for treatment of osteoarthritis. <i>Biomaterials</i> , 2020, 242, 119931.	5.7	77
31	Detection of copy number variations and their effects in Chinese bulls. <i>BMC Genomics</i> , 2014, 15, 480.	1.2	76
32	Advanced Material Strategies for Next-Generation Additive Manufacturing. <i>Materials</i> , 2018, 11, 166.	1.3	76
33	A Versatile Dynamic Mussel-Inspired Biointerface: From Specific Cell Behavior Modulation to Selective Cell Isolation. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 7878-7882.	7.2	76
34	A critical analysis of production-associated DNA polymorphisms in the genes of cattle, goat, sheep, and pig. <i>Mammalian Genome</i> , 2008, 19, 591-617.	1.0	72
35	Elastin-like polypeptide modified silk fibroin porous scaffold promotes osteochondral repair. <i>Bioactive Materials</i> , 2021, 6, 589-601.	8.6	68
36	Deep sequencing shows microRNA involvement in bovine mammary gland adaptation to diets supplemented with linseed oil or safflower oil. <i>BMC Genomics</i> , 2015, 16, 884.	1.2	67

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37	A critical analysis of disease-associated DNA polymorphisms in the genes of cattle, goat, sheep, and pig. <i>Mammalian Genome</i> , 2008, 19, 226-245.	1.0	64
38	NK-Cell-Encapsulated Porous Microspheres via Microfluidic Electrospray for Tumor Immunotherapy. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 33716-33724.	4.0	63
39	Microfluidics-Assisted Assembly of Injectable Photonic Hydrogels toward Reflective Cooling. <i>Small</i> , 2020, 16, e1903939.	5.2	63
40	Photocrosslinkable nanocomposite ink for printing strong, biodegradable and bioactive bone graft. <i>Biomaterials</i> , 2020, 263, 120378.	5.7	61
41	Biomimetic, Stiff, and Adhesive Periosteum with Osteogenic-Angiogenic Coupling Effect for Bone Regeneration. <i>Small</i> , 2021, 17, e2006598.	5.2	61
42	Metastasis-on-a-chip mimicking the progression of kidney cancer in the liver for predicting treatment efficacy. <i>Theranostics</i> , 2020, 10, 300-311.	4.6	60
43	Recombinant Soluble CD14 Reduces Severity of Intramammary Infection by <i>Escherichia coli</i> . <i>Infection and Immunity</i> , 2003, 71, 4034-4039.	1.0	58
44	Identification and characterization of differentially expressed exosomal microRNAs in bovine milk infected with <i>Staphylococcus aureus</i> . <i>BMC Genomics</i> , 2019, 20, 934.	1.2	58
45	<i>Lactobacillus plantarum</i> Restores Intestinal Permeability Disrupted by <i>Salmonella</i> Infection in Newly-hatched Chicks. <i>Scientific Reports</i> , 2018, 8, 2229.	1.6	55
46	A facile metal-phenolic-amine strategy for dual-functionalization of blood-contacting devices with antibacterial and anticoagulant properties. <i>Materials Chemistry Frontiers</i> , 2019, 3, 265-275.	3.2	55
47	Effects of mannan oligosaccharide and virginiamycin on the cecal microbial community and intestinal morphology of chickens raised under suboptimal conditions. <i>Canadian Journal of Microbiology</i> , 2014, 60, 255-266.	0.8	54
48	Polymer-Brush-Crafted Mesoporous Silica Nanoparticles for Triggered Drug Delivery. <i>ChemPhysChem</i> , 2018, 19, 1956-1964.	1.0	54
49	Acetyl-Coenzyme A acyltransferase 2 attenuates the apoptotic effects of BNIP3 in two human cell lines. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2008, 1780, 873-880.	1.1	51
50	A simple yet effective AIE-based fluorescent nano-thermometer for temperature mapping in living cells using fluorescence lifetime imaging microscopy. <i>Nanoscale Horizons</i> , 2020, 5, 488-494.	4.1	51
51	Mannan- and xylooligosaccharides modulate caecal microbiota and expression of inflammatory-related cytokines and reduce caecal <i>Salmonella</i> Enteritidis colonisation in young chickens. <i>FEMS Microbiology Ecology</i> , 2017, 93, fiw226.	1.3	50
52	Zoonotic and reverse zoonotic events of SARS-CoV-2 and their impact on global health. <i>Emerging Microbes and Infections</i> , 2020, 9, 2222-2235.	3.0	50
53	Macrolide-lincosamide-streptogramin resistance phenotypes and genotypes of coagulase-positive <i>Staphylococcus aureus</i> and coagulase-negative staphylococcal isolates from bovine mastitis. <i>BMC Veterinary Research</i> , 2015, 11, 168.	0.7	48
54	Transcriptome adaptation of the bovine mammary gland to diets rich in unsaturated fatty acids shows greater impact of linseed oil over safflower oil on gene expression and metabolic pathways. <i>BMC Genomics</i> , 2016, 17, 104.	1.2	46

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55	In vitro activity of ivermectin against <i>Staphylococcus aureus</i> clinical isolates. <i>Antimicrobial Resistance and Infection Control</i> , 2018, 7, 27.	1.5	45
56	Expression of Rumen Microbial Fibrolytic Enzyme Genes in Probiotic <i>Lactobacillus reuteri</i> . <i>Applied and Environmental Microbiology</i> , 2005, 71, 6769-6775.	1.4	44
57	Mechanically Robust Shape Memory Polyurethane Nanocomposites for Minimally Invasive Bone Repair. <i>ACS Applied Bio Materials</i> , 2019, 2, 1056-1065.	2.3	44
58	Associations between variants of FADS genes and omega-3 and omega-6 milk fatty acids of Canadian Holstein cows. <i>BMC Genetics</i> , 2014, 15, 25.	2.7	43
59	Using In Vitro Immunomodulatory Properties of Lactic Acid Bacteria for Selection of Probiotics against <i>Salmonella</i> Infection in Broiler Chicks. <i>PLoS ONE</i> , 2016, 11, e0147630.	1.1	42
60	Biomaterials based strategies for rotator cuff repair. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 157, 407-416.	2.5	42
61	Involvement of MicroRNAs in Probiotics-Induced Reduction of the Cecal Inflammation by <i>Salmonella Typhimurium</i> . <i>Frontiers in Immunology</i> , 2017, 8, 704.	2.2	40
62	Secretion of 92kDa gelatinase (MMP-9) by bovine neutrophils. <i>Veterinary Immunology and Immunopathology</i> , 1999, 67, 247-258.	0.5	39
63	A programmed surface on polyetheretherketone for sequentially dictating osteoimmunomodulation and bone regeneration to achieve ameliorative osseointegration under osteoporotic conditions. <i>Bioactive Materials</i> , 2022, 14, 364-376.	8.6	39
64	Effects of <i>Lactobacillus rhamnosus</i> GG supplementation on cow's milk allergy in a mouse model. <i>Allergy, Asthma and Clinical Immunology</i> , 2011, 7, 20.	0.9	38
65	Non-invasive tracking of hydrogel degradation using upconversion nanoparticles. <i>Acta Biomaterialia</i> , 2017, 55, 410-419.	4.1	38
66	Human-on-a-Leaf-Chip: A Biomimetic Vascular System Integrated with Chamber-specific Organs. <i>Small</i> , 2020, 16, e2000546.	5.2	38
67	Characterization of Methicillin-Resistant and -Susceptible <i>Staphylococcal</i> Isolates from Bovine Milk in Northwestern China. <i>PLoS ONE</i> , 2015, 10, e0116699.	1.1	37
68	AI-Egen-Based Fluorescent Nanomaterials: Fabrication and Biological Applications. <i>Molecules</i> , 2018, 23, 419.	1.7	37
69	From surface to bulk modification: Plasma polymerization of amine-bearing coating by synergic strategy of biomolecule grafting and nitric oxide loading. <i>Bioactive Materials</i> , 2020, 5, 17-25.	8.6	37
70	Effects of novel probiotic strains of <i>Bacillus pumilus</i> and <i>Bacillus subtilis</i> on production, gut health, and immunity of broiler chickens raised under suboptimal conditions. <i>Poultry Science</i> , 2021, 100, 100871.	1.5	37
71	Purification and properties of digestive lipases from Chinook salmon (<i>Oncorhynchus tshawytscha</i>) and New Zealand hoki (<i>Macrurus novaezelandiae</i>). <i>Fish Physiology and Biochemistry</i> , 2010, 36, 1041-1060.	0.9	36
72	Neutrophils as one of the major haptoglobin sources in mastitis affected milk. <i>Veterinary Research</i> , 2009, 40, 17.	1.1	35

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73	Current advances in skin-on-a-chip models for drug testing. <i>Microphysiological Systems</i> , 2018, 1, 1-1.	2.0	34
74	Mucus-Inspired Supramolecular Adhesives with Oil-Regulated Molecular Configurations and Long-Lasting Antibacterial Properties. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 16877-16886.	4.0	34
75	A new role for host annexin A2 in establishing bacterial adhesion to vascular endothelial cells: lines of evidence from atomic force microscopy and an in vivo study. <i>Laboratory Investigation</i> , 2019, 99, 1650-1660.	1.7	33
76	Whole-genome sequencing reveals mutational landscape underlying phenotypic differences between two widespread Chinese cattle breeds. <i>PLoS ONE</i> , 2017, 12, e0183921.	1.1	33
77	Characterization of Transcriptional Complexity during Adipose Tissue Development in Bovines of Different Ages and Sexes. <i>PLoS ONE</i> , 2014, 9, e101261.	1.1	32
78	Long-term anti-inflammatory efficacy in intestinal anastomosis in mice using silver nanoparticle-coated suture. <i>Journal of Pediatric Surgery</i> , 2017, 52, 2083-2087.	0.8	32
79	Advanced technology-driven therapeutic interventions for prevention of tendon adhesion: Design, intrinsic and extrinsic factor considerations. <i>Acta Biomaterialia</i> , 2021, 124, 15-32.	4.1	32
80	Sculpting Bio-Inspired Surface Textures: An Adhesive Janus Periosteum. <i>Advanced Functional Materials</i> , 2021, 31, 2104636.	7.8	32
81	Intervertebral Disk Degeneration: The Microenvironment and Tissue Engineering Strategies. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 592118.	2.0	32
82	Bovine CD14 gene characterization and relationship between polymorphisms and surface expression on monocytes and polymorphonuclear neutrophils. <i>BMC Genetics</i> , 2008, 9, 50.	2.7	31
83	Effect of Degradation of Zearalenone-Contaminated Feed by <i>Bacillus licheniformis</i> CK1 on Postweaning Female Piglets. <i>Toxins</i> , 2016, 8, 300.	1.5	31
84	Antibiotics trigger initiation of SCCmec transfer by inducing SOS responses. <i>Nucleic Acids Research</i> , 2017, 45, 3944-3952.	6.5	31
85	miRNA Regulatory Functions in Farm Animal Diseases, and Biomarker Potentials for Effective Therapies. <i>International Journal of Molecular Sciences</i> , 2021, 22, 3080.	1.8	31
86	Recombinant bovine soluble CD14 reduces severity of experimental <i>Escherichia coli</i> mastitis in mice. <i>Veterinary Research</i> , 2003, 34, 307-316.	1.1	31
87	T lymphocyte proliferative capacity and CD4+/CD8+ ratio in primiparous and pluriparous lactating cows. <i>Journal of Dairy Research</i> , 2008, 75, 457-465.	0.7	30
88	RECOMBINANT HUMAN INTERLEUKIN-8, BUT NOT HUMAN INTERLEUKIN-1 β , INDUCES BOVINE NEUTROPHIL MIGRATION IN AN IN VITRO CO-CULTURE SYSTEM. <i>Cell Biology International</i> , 2000, 24, 889-895.	1.4	29
89	Flavour development in dairy cream using fish digestive lipases from Chinook salmon (<i>Oncorhynchus</i>) Tj ETQq1 1 0.784314 rgBT /Overl... 1562-1568.	4.2	28
90	Cell Walls of <i>Saccharomyces cerevisiae</i> Differentially Modulated Innate Immunity and Glucose Metabolism during Late Systemic Inflammation. <i>PLoS ONE</i> , 2012, 7, e30323.	1.1	27

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91	Coexistence of Heavy Metal and Antibiotic Resistance within a Novel Composite Staphylococcal Cassette Chromosome in a <i>Staphylococcus haemolyticus</i> Isolate from Bovine Mastitis Milk. <i>Antimicrobial Agents and Chemotherapy</i> , 2015, 59, 5788-5792.	1.4	27
92	Effect of bla _{regulators} on the susceptible phenotype and phenotypic conversion for oxacillin-susceptible mecA-positive staphylococcal isolates. <i>Journal of Antimicrobial Chemotherapy</i> , 2016, 71, 2105-2112.	1.3	27
93	Nitric Oxide-Producing Cardiovascular Stent Coatings for Prevention of Thrombosis and Restenosis. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 578.	2.0	27
94	Dynamic Colloidal Photonic Crystal Hydrogels with Self-Recovery and Injectability. <i>Research</i> , 2021, 2021, 9565402.	2.8	27
95	Regional Profiling for Determination of Genotype Diversity of Mastitis-Specific <i>Staphylococcus aureus</i> Lineage in Canada by Use of Clumping Factor A, Pulsed-Field Gel Electrophoresis, and Typing. <i>Journal of Clinical Microbiology</i> , 2010, 48, 375-386.	1.8	26
96	Nitric oxide-generating compound and bio-clickable peptide mimic for synergistically tailoring surface anti-thrombogenic and anti-microbial dual-functions. <i>Bioactive Materials</i> , 2021, 6, 1618-1627.	8.6	26
97	Impact of Parental <i>Bos taurus</i> and <i>Bos indicus</i> Origins on Copy Number Variation in Traditional Chinese Cattle Breeds. <i>Genome Biology and Evolution</i> , 2015, 7, 2352-2361.	1.1	25
98	Genome wide association study identifies novel potential candidate genes for bovine milk cholesterol content. <i>Scientific Reports</i> , 2018, 8, 13239.	1.6	25
99	Reversible dougong structured receptor-ligand recognition for building dynamic extracellular matrix mimics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	24
100	Expression of <i>Lactobacillus reuteri</i> Pg4 Collagen-Binding Protein Gene in <i>Lactobacillus casei</i> ATCC 393 Increases Its Adhesion Ability to Caco-2 Cells. <i>Journal of Agricultural and Food Chemistry</i> , 2010, 58, 12182-12191.	2.4	22
101	Biomimetic cytomembrane nanovaccines prevent breast cancer development in the long term. <i>Nanoscale</i> , 2021, 13, 3594-3601.	2.8	22
102	Clumping factor A of <i>Staphylococcus aureus</i> interacts with AnnexinA2 on mammary epithelial cells. <i>Scientific Reports</i> , 2017, 7, 40608.	1.6	21
103	Colistin Induces <i>S. aureus</i> Susceptibility to Bacitracin. <i>Frontiers in Microbiology</i> , 2018, 9, 2805.	1.5	21
104	A programmable, fast-fixing, osteo-regenerative, biomechanically robust bone screw. <i>Acta Biomaterialia</i> , 2020, 103, 293-305.	4.1	21
105	A bioartificial liver support system integrated with a DLM/GelMA-based bioengineered whole liver for prevention of hepatic encephalopathy enhanced ammonia reduction. <i>Biomaterials Science</i> , 2020, 8, 2814-2824.	2.6	21
106	Sequence Diversities of Serine-Aspartate Repeat Genes among <i>Staphylococcus aureus</i> Isolates from Different Hosts Presumably by Horizontal Gene Transfer. <i>PLoS ONE</i> , 2011, 6, e20332.	1.1	21
107	The orphan nuclear receptor Rev-erb β recruits Tip60 and HDAC1 to regulate apolipoprotein CIII promoter. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2008, 1783, 224-236.	1.9	20
108	The influence of different anticoagulants and sample preparation methods on measurement of mCD14 on bovine monocytes and polymorphonuclear neutrophil leukocytes. <i>BMC Research Notes</i> , 2012, 5, 93.	0.6	20

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109	A fibronectin-binding protein (FbpA) of <i>Weissella cibaria</i> inhibits colonization and infection of <i>Staphylococcus aureus</i> in mammary glands. <i>Cellular Microbiology</i> , 2017, 19, e12731.	1.1	20
110	Dynamics of SARS-CoV-2 spreading under the influence of environmental factors and strategies to tackle the pandemic: A systematic review. <i>Sustainable Cities and Society</i> , 2022, 81, 103840.	5.1	20
111	Lactation performance of transgenic goats expressing recombinant human butyryl-cholinesterase in the milk. <i>Transgenic Research</i> , 2008, 17, 73-84.	1.3	19
112	Effects of <i>Rhodiola</i> on production, health and gut development of broilers reared at high altitude in Tibet. <i>Scientific Reports</i> , 2015, 4, 7166.	1.6	19
113	Effects of orally administered immunodominant T-cell epitope peptides on cow's milk protein allergy in a mouse model. <i>Food Research International</i> , 2015, 71, 126-131.	2.9	19
114	Characterization of the resistance class 1 integrons in <i>Staphylococcus aureus</i> isolates from milk of lactating dairy cattle in Northwestern China. <i>BMC Veterinary Research</i> , 2018, 14, 59.	0.7	19
115	Comparison of morphology, viability, and function between blood and milk neutrophils from peak lactating goats. <i>Canadian Journal of Veterinary Research</i> , 2005, 69, 39-45.	1.1	19
116	A zinc finger HIT domain-containing protein, ZNHIT1, interacts with orphan nuclear hormone receptor RevErb1 and removes RevErb1-induced inhibition of <i>c-myc</i> transcription. <i>FEBS Journal</i> , 2007, 274, 5370-5381.	2.2	18
117	Coexpression of rumen microbial α -glucanase and xylanase genes in <i>Lactobacillus reuteri</i> . <i>Applied Microbiology and Biotechnology</i> , 2007, 77, 117-124.	1.7	18
118	Effective Antimicrobial Activity of Plectasin-Derived Antimicrobial Peptides against <i>Staphylococcus aureus</i> Infection in Mammary Glands. <i>Frontiers in Microbiology</i> , 2017, 8, 2386.	1.5	18
119	Expression of bovine granulocyte chemotactic protein-2 (GCP-2) in neutrophils and a mammary epithelial cell line (MAC-T) in response to various bacterial cell wall components. <i>Veterinary Journal</i> , 2010, 186, 89-95.	0.6	17
120	Low Doses of Allergen and Probiotic Supplementation Separately or in Combination Alleviate Allergic Reactions to Cow β -Lactoglobulin in Mice. <i>Journal of Nutrition</i> , 2013, 143, 136-141.	1.3	17
121	Discovery of Novel and Differentially Expressed MicroRNAs between Fetal and Adult Backfat in Cattle. <i>PLoS ONE</i> , 2014, 9, e90244.	1.1	17
122	Antibacterial nanosystems for cancer therapy. <i>Biomaterials Science</i> , 2020, 8, 6814-6824.	2.6	17
123	<i>Bacillus pumilus</i> and <i>Bacillus subtilis</i> Promote Early Maturation of Cecal Microbiota in Broiler Chickens. <i>Microorganisms</i> , 2021, 9, 1899.	1.6	17
124	Transcription Factor ZBED6 Mediates IGF2 Gene Expression by Regulating Promoter Activity and DNA Methylation in Myoblasts. <i>Scientific Reports</i> , 2014, 4, 4570.	1.6	16
125	A Versatile Dynamic Mussel-Inspired Biointerface: From Specific Cell Behavior Modulation to Selective Cell Isolation. <i>Angewandte Chemie</i> , 2018, 130, 8004-8008.	1.6	15
126	Milk composition studies in transgenic goats expressing recombinant human butyrylcholinesterase in the mammary gland. <i>Transgenic Research</i> , 2008, 17, 863-872.	1.3	14

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127	Effects of supplementing different ratios of omega-3 and omega-6 fatty acids in western-style diets on cow's milk protein allergy in a mouse model. <i>Molecular Nutrition and Food Research</i> , 2013, 57, 2029-2038.	1.5	14
128	<i>Bacillus licheniformis</i> CK1 alleviates the toxic effects of zearalenone in feed on weaned female Tibetan piglets. <i>Journal of Animal Science</i> , 2018, 96, 4471-4480.	0.2	14
129	Electrosprayed Regeneration-Enhancer Element Microspheres Power Osteogenesis and Angiogenesis Coupling. <i>Small</i> , 2022, 18, e2200314.	5.2	14
130	Hydrophobic immobilization of a bile salt activated lipase from Chinook salmon (<i>Oncorhynchus</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 6.	1.8	13
131	Proteome modifications on tomato under extreme high light induced-stress. <i>Proteome Science</i> , 2018, 16, 20.	0.7	13
132	Apoptosis and oxidative stress of infiltrated neutrophils obtained from mammary glands of goats during various stages of lactation. <i>American Journal of Veterinary Research</i> , 2002, 63, 241-246.	0.3	12
133	Selective packaged circular RNAs in milk extracellular vesicles during <i>Staphylococcus aureus</i> infection may have potential against bacterial infection. <i>RNA Biology</i> , 2021, 18, 818-831.	1.5	12
134	<i>Mycobacterium tuberculosis</i> Antigen Wag31 Induces Expression of C-Chemokine XCL2 in Macrophages. <i>Current Microbiology</i> , 2008, 57, 189-194.	1.0	11
135	Effects of oxygen levels and a <i>Lactobacillus plantarum</i> strain on mortality and immune response of chickens at high altitude. <i>Scientific Reports</i> , 2019, 9, 16037.	1.6	11
136	Impairment of the Cell Wall Ligase, LytR-CpsA-Psr Protein (LcpC), in Methicillin Resistant <i>Staphylococcus aureus</i> Reduces Its Resistance to Antibiotics and Infection in a Mouse Model of Sepsis. <i>Frontiers in Microbiology</i> , 2020, 11, 557.	1.5	11
137	Structure-Element Surface Modification Strategy Enhances the Antibacterial Performance of Zr-BMGs. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 8793-8803.	4.0	11
138	Global acquisition of genetic material from different bacteria into the staphylococcal cassette chromosome elements of a <i>Staphylococcus epidermidis</i> isolate. <i>International Journal of Antimicrobial Agents</i> , 2017, 50, 581-587.	1.1	10
139	Genetic parameters of milk cholesterol content in Holstein cattle. <i>Canadian Journal of Animal Science</i> , 2018, 98, 714-722.	0.7	10
140	Graphene Nanocomposites. <i>Molecules</i> , 2019, 24, 2440.	1.7	10
141	Label-free cell sorting strategies via biophysical and biochemical gradients. <i>Journal of Orthopaedic Translation</i> , 2019, 17, 55-63.	1.9	10
142	Whole Genome DNA Methylation Variations in Mammary Gland Tissues from Holstein Cattle Producing Milk with Various Fat and Protein Contents. <i>Genes</i> , 2021, 12, 1727.	1.0	10
143	Inositol-phosphate response to oxytocin stimulation in dispersed bovine mammary cells. <i>Neuropeptides</i> , 1987, 10, 227-233.	0.9	9
144	Functional Analyses of Cassette Chromosome Recombinase C2 (CcrC2) and Its Use in Eliminating Methicillin Resistance by Combining CRISPR-Cas9. <i>ACS Synthetic Biology</i> , 2018, 7, 2590-2599.	1.9	9

#	ARTICLE	IF	CITATIONS
145	Repeat-based subtyping and grouping of <i>Staphylococcus aureus</i> from human infections and bovine mastitis using the R-domain of the clumping factor A gene. <i>Diagnostic Microbiology and Infectious Disease</i> , 2009, 63, 24-37.	0.8	8
146	Organ- and Host-Specific Clonal Groups of <i>Staphylococcus aureus</i> from Human Infections and Bovine Mastitis Revealed by the Clumping Factor A Gene. <i>Foodborne Pathogens and Disease</i> , 2010, 7, 111-119.	0.8	8
147	Display of Fibrobacter succinogenes β -Glucanase on the Cell Surface of <i>Lactobacillus reuteri</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2011, 59, 1744-1751.	2.4	8
148	Cytosine-Phosphate-Guanine Oligodeoxynucleotides Containing GACGTT Motifs Enhance the Immune Responses Elicited by Keyhole Limpet Hemocyanin Antigen in Dairy Cattle. <i>Nucleic Acid Therapeutics</i> , 2011, 21, 323-332.	2.0	8
149	Comparative accuracies of genetic values predicted for economically important milk traits, genome-wide association, and linkage disequilibrium patterns of Canadian Holstein cows. <i>Journal of Dairy Science</i> , 2021, 104, 1900-1916.	1.4	8
150	Inducible Resistance to β -Lactams in Oxacillin-Susceptible mecA1-Positive <i>Staphylococcus sciuri</i> Isolated From Retail Pork. <i>Frontiers in Microbiology</i> , 2021, 12, 721426.	1.5	8
151	3D Bioprinting Photo-Crosslinkable Hydrogels for Bone and Cartilage Repair. <i>International Journal of Bioprinting</i> , 2021, 7, 367.	1.7	8
152	Therapeutic nanomaterials for cancer therapy and tissue regeneration. <i>Drug Discovery Today</i> , 2017, 22, 1285-1287.	3.2	7
153	Arginine Catabolic Mobile Elements in Livestock-Associated Methicillin-Resistant Staphylococcal Isolates From Bovine Mastitic Milk in China. <i>Frontiers in Microbiology</i> , 2018, 9, 1031.	1.5	7
154	Soft hydrogel promotes dorsal root ganglion by upregulating gene expression of Ntn4 and Unc5B. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021, 199, 111503.	2.5	7
155	Bioinspired Polymeric Coating with Self-Adhesion, Lubrication, and Drug Release for Synergistic Bacteriostatic and Bactericidal Performance. <i>Advanced Materials Interfaces</i> , 0, , 2200561.	1.9	7
156	The LiaFSR and BsrXRS Systems Contribute to Bile Salt Resistance in <i>Enterococcus faecium</i> Isolates. <i>Frontiers in Microbiology</i> , 2019, 10, 1048.	1.5	6
157	Petite miracles: insight into the nano-management of scarless wound healing. <i>Drug Discovery Today</i> , 2022, 27, 857-865.	3.2	6
158	Genetic mutations in adaptive evolution of growth-independent vancomycin-tolerant <i>Staphylococcus aureus</i> . <i>Journal of Antimicrobial Chemotherapy</i> , 2021, 76, 2765-2773.	1.3	6
159	Oxytocin Receptors in Bovine Mammary Tissue. <i>Journal of Receptors and Signal Transduction</i> , 1987, 7, 729-741.	1.2	5
160	A targeted genotyping approach to enhance the identification of variants for lactation persistency in dairy cows. <i>Journal of Animal Science</i> , 2019, 97, 4066-4075.	0.2	5
161	A universal biocompatible coating for enhanced lubrication and bacterial inhibition. <i>Biomaterials Science</i> , 2022, 10, 3493-3502.	2.6	5
162	Variation of Serine-Aspartate Repeats in Membrane Proteins Possibly Contributes to Staphylococcal Microevolution. <i>PLoS ONE</i> , 2012, 7, e34756.	1.1	4

#	ARTICLE	IF	CITATIONS
163	Horizontally Acquired Polysaccharide-Synthetic Gene Cluster From <i>Weissella cibaria</i> Boosts the Probiotic Property of <i>Lactiplantibacillus plantarum</i> . <i>Frontiers in Microbiology</i> , 2021, 12, 692957.	1.5	3
164	Color-Specific Recovery to Extreme High-Light Stress in Plants. <i>Life</i> , 2021, 11, 812.	1.1	3
165	The Outer Membrane Vesicles of <i>Salmonella enterica</i> Serovar Typhimurium Activate Chicken Immune Cells through Lipopolysaccharides and Membrane Proteins. <i>Pathogens</i> , 2022, 11, 339.	1.2	3
166	Whole Genome Methylation Analysis Reveals Role of DNA Methylation in Cow's Ileal and Ileal Lymph Node Responses to <i>Mycobacterium avium</i> subsp. <i>paratuberculosis</i> Infection. <i>Frontiers in Genetics</i> , 2021, 12, 797490.	1.1	3
167	Characterization of Insertion Sequence ISSau2 in the Human and Livestock-Associated <i>Staphylococcus aureus</i> . <i>PLoS ONE</i> , 2015, 10, e0127183.	1.1	2
168	Cholesterol deficiency haplotype frequency and its impact on milk production and milk cholesterol content in Canadian Holstein cows. <i>Canadian Journal of Animal Science</i> , 2020, 100, 786-791.	0.7	2
169	Proteomic Comparison of Ivermectin Sensitive and Resistant <i>Staphylococcus aureus</i> Clinical Isolates Reveals Key Efflux Pumps as Possible Resistance Determinants. <i>Antibiotics</i> , 2022, 11, 759.	1.5	2
170	Characterization of a functional insertion sequence ISSau2 from <i>Staphylococcus aureus</i> . <i>Mobile DNA</i> , 2018, 9, 3.	1.3	1
171	Organ-on-a-Chip Systems: Human-on-a-Leaf-Chip: A Biomimetic Vascular System Integrated with Chamber-specific Organs (Small 22/2020). <i>Small</i> , 2020, 16, 2070124.	5.2	1
172	Phenotypic Switching of <i>Staphylococcus aureus</i> Mu50 Into a Large Colony Variant Enhances Heritable Resistance Against β -Lactam Antibiotics. <i>Frontiers in Microbiology</i> , 2021, 12, 709841.	1.5	1
173	An Asp7Gly Substitution in PPAR γ Is Associated with Decreased Transcriptional Activation Activity. <i>PLoS ONE</i> , 2014, 9, e86954.	1.1	1
174	Effects of N-Acetylimidazole on Oxytocin Binding in Bovine Mammary Tissue. <i>Journal of Receptors and Signal Transduction</i> , 1990, 10, 287-298.	1.2	0