

Ling Zhao

List of Publications by Year in descending order

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97
papers

4,899
citations

186265
28
h-index

106344
65
g-index

97
all docs

97
docs citations

97
times ranked

6758
citing authors

#	ARTICLE	IF	CITATIONS
1	Inflammatory responses and inflammation-associated diseases in organs. <i>Oncotarget</i> , 2018, 9, 7204-7218.	1.8	2,597
2	Sodium fluoride causes oxidative stress and apoptosis in the mouse liver. <i>Aging</i> , 2017, 9, 1623-1639.	3.1	92
3	Nickel Carcinogenesis Mechanism: DNA Damage. <i>International Journal of Molecular Sciences</i> , 2019, 20, 4690.	4.1	83
4	The Roles of Chemokines in Rabies Virus Infection: Overexpression May Not Always Be Beneficial. <i>Journal of Virology</i> , 2009, 83, 11808-11818.	3.4	80
5	Induction of autophagy via the ROS-dependent AMPK-mTOR pathway protects copper-induced spermatogenesis disorder. <i>Redox Biology</i> , 2022, 49, 102227.	9.0	73
6	EV71 infection induces neurodegeneration via activating TLR7 signaling and IL-6 production. <i>PLoS Pathogens</i> , 2019, 15, e1008142.	4.7	56
7	The nucleocapsid proteins of mouse hepatitis virus and severe acute respiratory syndrome coronavirus share the same IFN- λ 2 antagonizing mechanism: attenuation of PACT-mediated RIG-I/MDA5 activation. <i>Oncotarget</i> , 2017, 8, 49655-49670.	1.8	50
8	Antiviral properties of resveratrol against pseudorabies virus are associated with the inhibition of I κ B kinase activation. <i>Scientific Reports</i> , 2017, 7, 8782.	3.3	49
9	Copper sulfate-induced endoplasmic reticulum stress promotes hepatic apoptosis by activating CHOP, JNK and caspase-12 signaling pathways. <i>Ecotoxicology and Environmental Safety</i> , 2020, 191, 110236.	6.0	49
10	Critical Role of K1685 and K1829 in the Large Protein of Rabies Virus in Viral Pathogenicity and Immune Evasion. <i>Journal of Virology</i> , 2016, 90, 232-244.	3.4	46
11	Sodium fluoride (NaF) induces the splenic apoptosis via endoplasmic reticulum (ER) stress pathway in vivo and in vitro. <i>Aging</i> , 2016, 8, 3552-3567.	3.1	46
12	Copper Induces Oxidative Stress and Apoptosis in the Mouse Liver. <i>Oxidative Medicine and Cellular Longevity</i> , 2020, 2020, 1-20.	4.0	42
13	The Toxic Effects and Mechanisms of Nano-Cu on the Spleen of Rats. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1469.	4.1	41
14	Structural basis for the dimerization and substrate recognition specificity of porcine epidemic diarrhea virus 3C-like protease. <i>Virology</i> , 2016, 494, 225-235.	2.4	39
15	Copper induces hepatic inflammatory responses by activation of MAPKs and NF- κ B signalling pathways in the mouse. <i>Ecotoxicology and Environmental Safety</i> , 2020, 201, 110806.	6.0	38
16	Sodium fluoride induces renal inflammatory responses by activating NF- κ B signaling pathway and reducing anti-inflammatory cytokine expression in mice. <i>Oncotarget</i> , 2017, 8, 80192-80207.	1.8	36
17	Histopathological findings of renal tissue induced by oxidative stress due to different concentrations of fluoride. <i>Oncotarget</i> , 2017, 8, 50430-50446.	1.8	35
18	TLR7 Deficiency Leads to TLR8 Compensative Regulation of Immune Response against JEV in Mice. <i>Frontiers in Immunology</i> , 2017, 8, 160.	4.8	35

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19	Strategies for Interfering With Bacterial Early Stage Biofilms. <i>Frontiers in Microbiology</i> , 2021, 12, 675843.	3.5	35
20	Chitosan-poloxamer-based thermosensitive hydrogels containing zinc gluconate/recombinant human epidermal growth factor benefit for antibacterial and wound healing. <i>Materials Science and Engineering C</i> , 2021, 130, 112450.	7.3	33
21	Nickel chloride (NiCl ₂) in hepatic toxicity: apoptosis, G2/M cell cycle arrest and inflammatory response. <i>Aging</i> , 2016, 8, 3009-3027.	3.1	33
22	Suppressive effects of sodium fluoride on cultured splenic lymphocyte proliferation in mice. <i>Oncotarget</i> , 2016, 7, 61905-61915.	1.8	33
23	Sodium Fluoride (NaF) Induces Inflammatory Responses Via Activating MAPKs/NF- κ B Signaling Pathway and Reducing Anti-inflammatory Cytokine Expression in the Mouse Liver. <i>Biological Trace Element Research</i> , 2019, 189, 157-171.	3.5	32
24	Pomegranate-Inspired Silica Nanotags Enable Sensitive Dual-Modal Detection of Rabies Virus Nucleoprotein. <i>Analytical Chemistry</i> , 2020, 92, 8802-8809.	6.5	32
25	TGF- β 1-induced EMT activation via both Smad-dependent and MAPK signaling pathways in Cu-induced pulmonary fibrosis. <i>Toxicology and Applied Pharmacology</i> , 2021, 418, 115500.	2.8	32
26	Cu-induced spermatogenesis disease is related to oxidative stress-mediated germ cell apoptosis and DNA damage. <i>Journal of Hazardous Materials</i> , 2021, 416, 125903.	12.4	32
27	Dual-Mode Immunosensor for Electrochemiluminescence Resonance Energy Transfer and Electrochemical Detection of Rabies Virus Glycoprotein Based on Ru(bpy) ₃ ²⁺ -Loaded Dendritic Mesoporous Silica Nanoparticles. <i>Analytical Chemistry</i> , 2022, 94, 7655-7664.	6.5	32
28	Sodium fluoride (NaF) causes toxic effects on splenic development in mice. <i>Oncotarget</i> , 2017, 8, 4703-4717.	1.8	31
29	Recombinant rabies virus expressing dog GM-CSF is an efficacious oral rabies vaccine for dogs. <i>Oncotarget</i> , 2015, 6, 38504-38516.	1.8	31
30	Rabies virus phosphoprotein interacts with ribosomal protein L9 and affects rabies virus replication. <i>Virology</i> , 2016, 488, 216-224.	2.4	30
31	Sodium Fluoride Arrests Renal G2/M Phase Cell-Cycle Progression by Activating ATM-Chk2-P53/Cdc25C Signaling Pathway in Mice. <i>Cellular Physiology and Biochemistry</i> , 2018, 51, 2421-2433.	1.6	30
32	Sodium fluoride induces apoptosis in cultured splenic lymphocytes from mice. <i>Oncotarget</i> , 2016, 7, 67880-67900.	1.8	29
33	Immunotoxicity of nickel: Pathological and toxicological effects. <i>Ecotoxicology and Environmental Safety</i> , 2020, 203, 111006.	6.0	29
34	λ -Carrageenan P32 Is a Potent Inhibitor of Rabies Virus Infection. <i>PLoS ONE</i> , 2015, 10, e0140586.	2.5	28
35	Renal-targeted delivery of triptolide by entrapment in pegylated TRX-20-modified liposomes. <i>International Journal of Nanomedicine</i> , 2017, Volume 12, 5673-5686.	6.7	28
36	Nickel induces inflammatory activation via NF- κ B, MAPKs, IRF3 and NLRP3 inflammasome signaling pathways in macrophages. <i>Aging</i> , 2019, 11, 11659-11672.	3.1	28

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37	Antiviral activity of sulfated Chuanmingshen violaceum polysaccharide against Newcastle disease virus. <i>Journal of General Virology</i> , 2013, 94, 2164-2174.	2.9	27
38	A mini review of fluoride-induced apoptotic pathways. <i>Environmental Science and Pollution Research</i> , 2018, 25, 33926-33935.	5.3	27
39	Oxidative stress, apoptosis and inflammatory responses involved in copper-induced pulmonary toxicity in mice. <i>Aging</i> , 2020, 12, 16867-16886.	3.1	27
40	In vitro and in vivo bactericidal activity of <i>Tinospora sagittata</i> (Oliv.) Gagnep. var. <i>craveniana</i> (S.Y.Hu) Lo and its main effective component, palmatine, against porcine <i>Helicobacter pylori</i> . <i>BMC Complementary and Alternative Medicine</i> , 2016, 16, 331.	3.7	26
41	PABPC4 Broadly Inhibits Coronavirus Replication by Degrading Nucleocapsid Protein through Selective Autophagy. <i>Microbiology Spectrum</i> , 2021, 9, e0090821.	3.0	26
42	Sodium fluoride induces splenocyte autophagy via the mammalian targets of rapamycin (mTOR) signaling pathway in growing mice. <i>Aging</i> , 2018, 10, 1649-1665.	3.1	25
43	Nickel chloride-induced apoptosis via mitochondria- and Fas-mediated caspase-dependent pathways in broiler chickens. <i>Oncotarget</i> , 2016, 7, 79747-79760.	1.8	25
44	The mitochondrial pathway is involved in sodium fluoride (NaF)-induced renal apoptosis in mice. <i>Toxicology Research</i> , 2018, 7, 792-808.	2.1	24
45	Casein nanoparticles as oral delivery carriers of mequindox for the improved bioavailability. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 195, 111221.	5.0	24
46	Silver Nanoparticles Induced Oxidative Stress and Mitochondrial Injuries Mediated Autophagy in HC11 Cells Through Akt/AMPK/mTOR Pathway. <i>Biological Trace Element Research</i> , 2021, 199, 1062-1073.	3.5	23
47	Optimization of the ultrasound-assisted extraction of antioxidant phloridzin from <i>Lithocarpus polystachyus</i> Rehd. using response surface methodology. <i>Journal of Separation Science</i> , 2017, 40, 4329-4337.	2.5	22
48	Glutamine deprivation plus BPTES alters etoposide- and cisplatin-induced apoptosis in triple negative breast cancer cells. <i>Oncotarget</i> , 2016, 7, 54691-54701.	1.8	22
49	Sodium fluoride induces apoptosis in mouse splenocytes by activating ROS-dependent NF- κ B signaling. <i>Oncotarget</i> , 2017, 8, 114428-114441.	1.8	21
50	EGCG-Mediated Potential Inhibition of Biofilm Development and Quorum Sensing in <i>Pseudomonas aeruginosa</i> . <i>International Journal of Molecular Sciences</i> , 2021, 22, 4946.	4.1	21
51	Paeonol Attenuates Quorum-Sensing Regulated Virulence and Biofilm Formation in <i>Pseudomonas aeruginosa</i> . <i>Frontiers in Microbiology</i> , 2021, 12, 692474.	3.5	21
52	The ectodomain of rabies virus glycoprotein determines dendritic cell activation. <i>Antiviral Research</i> , 2017, 141, 1-6.	4.1	20
53	Effects of sodium fluoride on blood cellular and humoral immunity in mice. <i>Oncotarget</i> , 2017, 8, 85504-85515.	1.8	20
54	Sodium fluoride causes hepatocellular S-phase arrest by activating ATM-p53-p21 and ATR-Chk1-Cdc25A pathways in mice. <i>Oncotarget</i> , 2018, 9, 4318-4337.	1.8	20

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55	Nickel carcinogenesis mechanism: cell cycle dysregulation. <i>Environmental Science and Pollution Research</i> , 2021, 28, 4893-4901.	5.3	19
56	Binding induced isothermal amplification reaction to activate CRISPR/Cas12a for amplified electrochemiluminescence detection of rabies viral RNA via DNA nanotweezer structure switching. <i>Biosensors and Bioelectronics</i> , 2022, 204, 114078.	10.1	19
57	Oxidative stress and inflammatory responses involved in dietary nickel chloride (NiCl ₂)-induced pulmonary toxicity in broiler chickens. <i>Toxicology Research</i> , 2016, 5, 1421-1433.	2.1	18
58	Double-coated enrofloxacin microparticles with chitosan and alginate: Preparation, characterization and taste-masking effect study. <i>Carbohydrate Polymers</i> , 2017, 170, 247-253.	10.2	18
59	Autophagy and apoptosis mediated nano-copper-induced testicular damage. <i>Ecotoxicology and Environmental Safety</i> , 2022, 229, 113039.	6.0	18
60	Antiviral effect of sulfated Chuanmingshen violaceum polysaccharide in chickens infected with virulent Newcastle disease virus. <i>Virology</i> , 2015, 476, 316-322.	2.4	17
61	Oral exposure of pregnant rats to copper nanoparticles caused nutritional imbalance and liver dysfunction in fetus. <i>Ecotoxicology and Environmental Safety</i> , 2020, 206, 111206.	6.0	16
62	Optimization Extraction of Shikonin Using Ultrasound-Assisted Response Surface Methodology and Antibacterial Studies. <i>Evidence-based Complementary and Alternative Medicine</i> , 2020, 2020, 1-10.	1.2	16
63	Antimicrobial resistance and genotyping of <i>Staphylococcus aureus</i> obtained from food animals in Sichuan Province, China. <i>BMC Veterinary Research</i> , 2021, 17, 177.	1.9	16
64	A novel rabies vaccine based on infectious propagating particles derived from hybrid VEEV-Rabies replicon. <i>EBioMedicine</i> , 2020, 56, 102819.	6.1	15
65	A Recombinant Rabies Virus Expressing Fms-like Tyrosine Kinase 3 Ligand (Flt3L) Induces Enhanced Immunogenicity in Mice. <i>Virologica Sinica</i> , 2019, 34, 662-672.	3.0	14
66	Recombinant rabies virus expressing IL-21 enhances immunogenicity through activation of T follicular helper cells and germinal centre B cells. <i>Journal of General Virology</i> , 2016, 97, 3154-3160.	2.9	14
67	Recombinant rabies virus expressing IL-15 enhances immunogenicity through promoting the activation of dendritic cells in mice. <i>Virologica Sinica</i> , 2017, 32, 317-327.	3.0	12
68	iTRAQ-based quantitative proteomic analysis reveals multiple effects of Emodin to <i>Haemophilus parasuis</i> . <i>Journal of Proteomics</i> , 2017, 166, 39-47.	2.4	12
69	Low oxygen concentrations improve yak oocyte maturation and enhance the developmental competence of preimplantation embryos. <i>Theriogenology</i> , 2020, 156, 46-58.	2.1	11
70	Isolation and evolutionary analyses of porcine epidemic diarrhea virus in Asia. <i>PeerJ</i> , 2020, 8, e10114.	2.0	11
71	Restorative Effects of Inulin From <i>Codonopsis pilosula</i> on Intestinal Mucosal Immunity, Anti-Inflammatory Activity and Gut Microbiota of Immunosuppressed Mice. <i>Frontiers in Pharmacology</i> , 2022, 13, 786141.	3.5	11
72	Safety pharmacology and subchronic toxicity of jinqing granules in rats. <i>BMC Veterinary Research</i> , 2017, 13, 179.	1.9	10

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73	Dihydromyricetin sensitizes human acute myeloid leukemia cells to retinoic acid-induced myeloid differentiation by activating STAT1. <i>Biochemical and Biophysical Research Communications</i> , 2018, 495, 1702-1707.	2.1	10
74	<p>Synthesis, Characterization, and Pharmacodynamics Study of Enrofloxacin Mesylate</p>. <i>Drug Design, Development and Therapy</i> , 2020, Volume 14, 715-730.	4.3	10
75	Copper exposure induces hepatic G0/G1 cell-cycle arrest through suppressing the Ras/PI3K/Akt signaling pathway in mice. <i>Ecotoxicology and Environmental Safety</i> , 2021, 222, 112518.	6.0	10
76	Codon optimization of G protein enhances rabies virus-induced humoral immunity. <i>Journal of General Virology</i> , 2019, 100, 1222-1233.	2.9	10
77	Epigallocatechin-3-gallate protects immunity and liver drug-metabolism function in mice loaded with restraint stress. <i>Biomedicine and Pharmacotherapy</i> , 2020, 129, 110418.	5.6	9
78	Copper induces hepatocyte autophagy via the mammalian targets of the rapamycin signaling pathway in mice. <i>Ecotoxicology and Environmental Safety</i> , 2021, 208, 111656.	6.0	9
79	Effective cross-protection of a lyophilized live gE/gI/TK-deleted pseudorabies virus (PRV) vaccine against classical and variant PRV challenges. <i>Veterinary Microbiology</i> , 2022, 267, 109387.	1.9	9
80	A novel method for synthesis of Î±-spinasterol and its antibacterial activities in combination with ceftiofur. <i>FÃ¼rterworte</i> , 2017, 119, 12-19.	2.2	8
81	Toltrazuril mixed nanomicelle delivery system based on sodium deoxycholate and Brij C20 polyethylene ether-triton x100: Characterization, solubility, and bioavailability study. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 163, 125-132.	5.0	8
82	Sodium fluoride impairs splenic innate immunity via inactivation of TLR2/MyD88 signaling pathway in mice. <i>Chemosphere</i> , 2019, 237, 124437.	8.2	8
83	Evaluation of the synergetic effect of Yupingfeng san and Flos Sophorae Immaturus based on free radical scavenging capacity. <i>Biomedicine and Pharmacotherapy</i> , 2020, 128, 110265.	5.6	8
84	Comparison of lncRNA and mRNA expression in mouse brains infected by a wild-type and a lab-attenuated Rabies lyssavirus. <i>Journal of General Virology</i> , 2021, 102, .	2.9	8
85	Autophagy was activated against the damages of placentas caused by nano-copper oral exposure. <i>Ecotoxicology and Environmental Safety</i> , 2021, 220, 112364.	6.0	8
86	Acute and subchronic toxicity as well as evaluation of safety pharmacology of eucalyptus oil-water emulsions. <i>International Journal of Clinical and Experimental Medicine</i> , 2014, 7, 4835-45.	1.3	7
87	The Effects of Formaldehyde on Cytochrome P450 Isoform Activity in Rats. <i>BioMed Research International</i> , 2017, 2017, 1-7.	1.9	6
88	MicroRNA expression profiling reveals potential roles for microRNA in the liver during pigeon (<i>Columba livia</i>) development. <i>Poultry Science</i> , 2020, 99, 6378-6389.	3.4	6
89	Crystal structure of the mouse hepatitis virus ns2 phosphodiesterase domain that antagonizes RNase L activation. <i>Journal of General Virology</i> , 2016, 97, 880-886.	2.9	6
90	Psychoactive Effects of <i>Lactobacillus johnsonii</i> BS15 on Preventing Memory Dysfunction Induced by Acute Ethanol Exposure Through Modulating Intestinal Microenvironment and Improving Alcohol Metabolic Level. <i>Frontiers in Microbiology</i> , 2022, 13, 847468.	3.5	5

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91	Effect of Two Macrocephala Flavored Powder supplementation on intestinal morphology and intestinal microbiota in weaning pigs. <i>International Journal of Clinical and Experimental Medicine</i> , 2015, 8, 1504-14.	1.3	4
92	G protein-coupled receptor 17 restricts rabies virus replication via BAK-mediated apoptosis. <i>Veterinary Microbiology</i> , 2022, 265, 109326.	1.9	4
93	Low oxygen concentration improves yak oocyte maturation and inhibits apoptosis through HIF-1 and VEGF. <i>Reproduction in Domestic Animals</i> , 2022, 57, 381-392.	1.4	4
94	Epigallocatechin-3-gallate reduces liver and immune system damage in <i>Acinetobacter baumannii</i> -loaded mice with restraint stress. <i>International Immunopharmacology</i> , 2021, 92, 107346.	3.8	3
95	Epigallocatechin-3-Gallate Ameliorates Acute Lung Damage by Inhibiting Quorum-Sensing-Related Virulence Factors of <i>Pseudomonas aeruginosa</i> . <i>Frontiers in Microbiology</i> , 2022, 13, 874354.	3.5	3
96	Next-generation sequencing for the genetic characterization of Maedi/Visna virus isolated from the northwest of China. <i>Journal of Veterinary Science</i> , 2021, 22, e66.	1.3	2
97	Identification and expression pattern analysis of miRNAs in pectoral muscle during pigeon (<i>Columba</i>) Tj ETQq1 1 0.784314 rgBT /Over	2.0	1