

Ishfaq Muhammad

List of Publications by Year in descending order

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99
papers

2,438
citations

185998

28
h-index

276539

41
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104
all docs

104
docs citations

104
times ranked

2104
citing authors

#	ARTICLE	IF	CITATIONS
1	METTL3/m6A/miRNA-873-5p Attenuated Oxidative Stress and Apoptosis in Colistin-Induced Kidney Injury by Modulating Keap1/Nrf2 Pathway. <i>Frontiers in Pharmacology</i> , 2019, 10, 517.	1.6	106
2	Baicalin Alleviates Lipopolysaccharide-Induced Liver Inflammation in Chicken by Suppressing TLR4-Mediated NF- κ B Pathway. <i>Frontiers in Pharmacology</i> , 2017, 8, 547.	1.6	93
3	Detection of Aflatoxin adducts as potential markers and the role of curcumin in alleviating AFB1-induced liver damage in chickens. <i>Ecotoxicology and Environmental Safety</i> , 2019, 176, 137-145.	2.9	75
4	Antiviral Activity Against Infectious Bronchitis Virus and Bioactive Components of <i>Hypericum perforatum</i> L.. <i>Frontiers in Pharmacology</i> , 2019, 10, 1272.	1.6	74
5	Colistin-induced autophagy and apoptosis involves the JNK-Bcl2-Bax signaling pathway and JNK-p53-ROS positive feedback loop in PC-12 cells. <i>Chemico-Biological Interactions</i> , 2017, 277, 62-73.	1.7	73
6	Baicalin ameliorates oxidative stress and apoptosis by restoring mitochondrial dynamics in the spleen of chickens via the opposite modulation of NF- κ B and Nrf2/HO-1 signaling pathway during <i>Mycoplasma gallisepticum</i> infection. <i>Poultry Science</i> , 2019, 98, 6296-6310.	1.5	66
7	An evaluation of replacing fish meal with cottonseed meal in the diet of juvenile Ussuri catfish <i>Pseudobagrus ussuriensis</i> : Growth, antioxidant capacity, nonspecific immunity and resistance to <i>Aeromonas hydrophila</i> . <i>Aquaculture</i> , 2017, 479, 829-837.	1.7	65
8	TLR2 mediates autophagy through ERK signaling pathway in <i>Mycoplasma gallisepticum</i> -infected RAW264.7 cells. <i>Molecular Immunology</i> , 2017, 87, 161-170.	1.0	62
9	Dual Role of Dietary Curcumin Through Attenuating AFB1-Induced Oxidative Stress and Liver Injury via Modulating Liver Phase-I and Phase-II Enzymes Involved in AFB1 Bioactivation and Detoxification. <i>Frontiers in Pharmacology</i> , 2018, 9, 554.	1.6	59
10	Ammonia inhalation impaired immune function and mitochondrial integrity in the broilers bursa of fabricius: Implication of oxidative stress and apoptosis. <i>Ecotoxicology and Environmental Safety</i> , 2020, 190, 110078.	2.9	57
11	The effect of ammonia exposure on energy metabolism and mitochondrial dynamic proteins in chicken thymus: Through oxidative stress, apoptosis, and autophagy. <i>Ecotoxicology and Environmental Safety</i> , 2020, 206, 111413.	2.9	57
12	Curcumin Successfully Inhibited the Computationally Identified CYP2A6 Enzyme-Mediated Bioactivation of Aflatoxin B1 in Arbor Acres broiler. <i>Frontiers in Pharmacology</i> , 2017, 8, 143.	1.6	55
13	Curcumin confers hepatoprotection against AFB1-induced toxicity via activating autophagy and ameliorating inflammation involving Nrf2/HO-1 signaling pathway. <i>Molecular Biology Reports</i> , 2018, 45, 1775-1785.	1.0	46
14	Comparative Proteomic Analysis Provides insight into the Key Proteins as Possible Targets Involved in Aspirin Inhibiting Biofilm Formation of <i>Staphylococcus xylosus</i> . <i>Frontiers in Pharmacology</i> , 2017, 8, 543.	1.6	44
15	Water-soluble substances of wheat: a potential preventer of aflatoxin B1-induced liver damage in broilers. <i>Poultry Science</i> , 2019, 98, 136-149.	1.5	43
16	Determinants of forest product group trade by gravity model approach: A case study of China. <i>Forest Policy and Economics</i> , 2020, 113, 102117.	1.5	42
17	Optimization of total phenolic content from <i>Terminalia chebula</i> Retz. fruits using response surface methodology and evaluation of their antioxidant activities. <i>PLoS ONE</i> , 2018, 13, e0202368.	1.1	39
18	Curcumin protects against Aflatoxin B1-induced liver injury in broilers via the modulation of long non-coding RNA expression. <i>Ecotoxicology and Environmental Safety</i> , 2021, 208, 111725.	2.9	39

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19	Protective role of curcumin on aflatoxin B1-induced TLR4/RIPK pathway mediated-necroptosis and inflammation in chicken liver. <i>Ecotoxicology and Environmental Safety</i> , 2022, 233, 113319.	2.9	39
20	Sensitivity of Arbor Acres broilers and chemoprevention of aflatoxin B 1 -induced liver injury by curcumin, a natural potent inducer of phase-II enzymes and Nrf2. <i>Environmental Toxicology and Pharmacology</i> , 2018, 59, 94-104.	2.0	38
21	Protective effects of hypericin against infectious bronchitis virus induced apoptosis and reactive oxygen species in chicken embryo kidney cells. <i>Poultry Science</i> , 2019, 98, 6367-6377.	1.5	37
22	Baicalin mitigated <i>Mycoplasma gallisepticum</i> -induced structural damage and attenuated oxidative stress and apoptosis in chicken thymus through the Nrf2/HO-1 defence pathway. <i>Veterinary Research</i> , 2019, 50, 83.	1.1	35
23	PTEN/AKT/mTOR pathway involvement in autophagy, mediated by miR-99a-3p and energy metabolism in ammonia-exposed chicken bursal lymphocytes. <i>Poultry Science</i> , 2021, 100, 553-564.	1.5	35
24	Co-infection of <i>Mycoplasma gallisepticum</i> and <i>Escherichia coli</i> Triggers Inflammatory Injury Involving the IL-17 Signaling Pathway. <i>Frontiers in Microbiology</i> , 2019, 10, 2615.	1.5	34
25	Baicalin ameliorates <i>Mycoplasma gallisepticum</i> -induced inflammatory injury in the chicken lung through regulating the intestinal microbiota and phenylalanine metabolism. <i>Food and Function</i> , 2021, 12, 4092-4104.	2.1	33
26	Current status of vaccine research, development, and challenges of vaccines for <i>Mycoplasma gallisepticum</i> . <i>Poultry Science</i> , 2020, 99, 4195-4202.	1.5	32
27	Dihydromyricetin attenuates <i>Escherichia coli</i> lipopolysaccharide-induced ileum injury in chickens by inhibiting NLRP3 inflammasome and TLR4/NF- κ B signalling pathway. <i>Veterinary Research</i> , 2020, 51, 72.	1.1	31
28	Effects of colistin on amino acid neurotransmitters and blood-brain barrier in the mouse brain. <i>Neurotoxicology and Teratology</i> , 2016, 55, 32-37.	1.2	30
29	Antagonistic Effects Of Baicalin On <i>Mycoplasma gallisepticum</i> -Induced Inflammation And Apoptosis By Restoring Energy Metabolism In The Chicken Lungs. <i>Infection and Drug Resistance</i> , 2019, Volume 12, 3075-3089.	1.1	30
30	Assessment of Probiotic Properties of <i>Lactobacillus salivarius</i> Isolated From Chickens as Feed Additives. <i>Frontiers in Veterinary Science</i> , 2020, 7, 415.	0.9	30
31	Effects of <i>Lactobacillus salivarius</i> supplementation on the growth performance, liver function, meat quality, immune responses and <i>Salmonella Pullorum</i> infection resistance of broilers challenged with Aflatoxin B1. <i>Poultry Science</i> , 2022, 101, 101651.	1.5	30
32	Curcumin ameliorates duodenal toxicity of AFB1 in chicken through inducing P-glycoprotein and downregulating cytochrome P450 enzymes. <i>Poultry Science</i> , 2020, 99, 7035-7045.	1.5	29
33	Fatty acid composition in serum correlates with that in the liver and non-alcoholic fatty liver disease activity scores in mice fed a high-fat diet. <i>Environmental Toxicology and Pharmacology</i> , 2016, 44, 140-150.	2.0	28
34	Ferulic acid prevents aflatoxin B1-induced liver injury in rats via inhibiting cytochrome P450 enzyme, activating Nrf2/GST pathway and regulating mitochondrial pathway. <i>Ecotoxicology and Environmental Safety</i> , 2021, 224, 112624.	2.9	28
35	<i>Mycoplasma gallisepticum</i> triggers immune damage in the chicken thymus by activating the TLR-2/MyD88/NF- κ B signaling pathway and NLRP3 inflammasome. <i>Veterinary Research</i> , 2020, 51, 52.	1.1	27
36	Baicalin attenuated <i>Mycoplasma gallisepticum</i> -induced immune impairment in chicken bursa of fabricius through modulation of autophagy and inhibited inflammation and apoptosis. <i>Journal of the Science of Food and Agriculture</i> , 2021, 101, 880-890.	1.7	27

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37	Rutin Inhibits <i>Streptococcus suis</i> Biofilm Formation by Affecting CPS Biosynthesis. <i>Frontiers in Pharmacology</i> , 2017, 8, 379.	1.6	26
38	Protective role of curcumin in ameliorating AFB1-induced apoptosis via mitochondrial pathway in liver cells. <i>Molecular Biology Reports</i> , 2018, 45, 881-891.	1.0	26
39	The effect of <i>Mycoplasma gallisepticum</i> infection on energy metabolism in chicken lungs: Through oxidative stress and inflammation. <i>Microbial Pathogenesis</i> , 2020, 138, 103848.	1.3	26
40	Salidroside attenuates colistin-induced neurotoxicity in RSC96 Schwann cells through PI3K/Akt pathway. <i>Chemico-Biological Interactions</i> , 2017, 271, 67-78.	1.7	25
41	Combination of berberine and ciprofloxacin reduces multi-resistant <i>Salmonella</i> strain biofilm formation by depressing mRNA expressions of <i>luxS</i> , <i>rpoE</i> , and <i>ompR</i> . <i>Journal of Veterinary Science</i> , 2018, 19, 808.	0.5	24
42	<p>Baicalin Attenuates <i>Mycoplasma gallisepticum</i> -Induced Inflammation via Inhibition of the TLR2-NF- κ B Pathway in Chicken and DF-1 Cells</p>. <i>Infection and Drug Resistance</i> , 2019, Volume 12, 3911-3923.	1.1	24
43	Development of a UPLC-FLD Method for Detection of Aflatoxin B1 and M1 in Animal Tissue to Study the Effect of Curcumin on Mycotoxin Clearance Rates. <i>Frontiers in Pharmacology</i> , 2017, 8, 650.	1.6	23
44	Prevalence and Characteristic of Swine-Origin <i>mcr-1</i> -Positive <i>Escherichia coli</i> in Northeastern China. <i>Frontiers in Microbiology</i> , 2021, 12, 712707.	1.5	23
45	<i>Mycoplasma gallisepticum</i> Infection Impaired the Structural Integrity and Immune Function of Bursa of Fabricius in Chicken: Implication of Oxidative Stress and Apoptosis. <i>Frontiers in Veterinary Science</i> , 2020, 7, 225.	0.9	21
46	Baicalin alleviates <i>Mycoplasma gallisepticum</i> -induced oxidative stress and inflammation via modulating NLRP3 inflammasome-autophagy pathway. <i>International Immunopharmacology</i> , 2021, 101, 108250.	1.7	21
47	Insight into potent TLR2 inhibitors for the treatment of disease caused by <i>Mycoplasma pneumoniae</i> based on machine learning approaches. <i>Molecular Diversity</i> , 2023, 27, 371-387.	2.1	21
48	<p>Prevalence and molecular epidemiology characteristics of carbapenem-resistant <i>Escherichia coli</i> in Heilongjiang Province, China</p>. <i>Infection and Drug Resistance</i> , 2019, Volume 12, 2505-2518.	1.1	20
49	<i>Mycoplasma gallisepticum</i> infection triggered histopathological changes, oxidative stress and apoptosis in chicken thymus and spleen. <i>Developmental and Comparative Immunology</i> , 2021, 114, 103832.	1.0	20
50	Dietary administration of <i>Bacillus subtilis</i> KC1 improves growth performance, immune response, heat stress tolerance, and disease resistance of broiler chickens. <i>Poultry Science</i> , 2022, 101, 101693.	1.5	20
51	A respiratory commensal bacterium acts as a risk factor for <i>Mycoplasma gallisepticum</i> infection in chickens. <i>Veterinary Immunology and Immunopathology</i> , 2020, 230, 110127.	0.5	19
52	Ammonia inhalation-induced inflammation and structural impairment in the bursa of fabricius and thymus of broilers through NF- κ B signaling pathway. <i>Environmental Science and Pollution Research</i> , 2020, 27, 11596-11607.	2.7	19
53	Comparison of Experimental Infection of Normal and Immunosuppressed Chickens with <i>Mycoplasma gallisepticum</i> . <i>Journal of Comparative Pathology</i> , 2020, 175, 5-12.	0.1	18
54	<i>Lactobacillus salivarius</i> ameliorated <i>Mycoplasma gallisepticum</i> -induced inflammatory injury and secondary <i>Escherichia coli</i> infection in chickens: Involvement of intestinal microbiota. <i>Veterinary Immunology and Immunopathology</i> , 2021, 233, 110192.	0.5	18

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55	Syringa oblata Lindl. Aqueous Extract Is a Potential Biofilm Inhibitor in <i>S. suis</i> . <i>Frontiers in Pharmacology</i> , 2017, 8, 26.	1.6	17
56	JNK Signaling Pathway Mediates Acetaminophen-Induced Hepatotoxicity Accompanied by Changes of Glutathione S-Transferase A1 Content and Expression. <i>Frontiers in Pharmacology</i> , 2019, 10, 1092.	1.6	17
57	A review of the bioactive ingredients of berries and their applications in curing diseases. <i>Food Bioscience</i> , 2021, 44, 101407.	2.0	17
58	A Dual Role of P53 in Regulating Colistin-Induced Autophagy in PC-12 Cells. <i>Frontiers in Pharmacology</i> , 2017, 8, 768.	1.6	16
59	Cloning and functional analysis of the promoter of a stress-inducible gene (<i>Zmap</i>) in maize. <i>PLoS ONE</i> , 2019, 14, e0211941.	1.1	16
60	Baicalin inhibits inflammation caused by coinfection of <i>Mycoplasma gallisepticum</i> and <i>Escherichia coli</i> involving IL-17 signaling pathway. <i>Poultry Science</i> , 2020, 99, 5472-5480.	1.5	16
61	7-Hydroxycoumarin Attenuates Colistin-Induced Kidney Injury in Mice Through the Decreased Level of Histone Deacetylase 1 and the Activation of Nrf2 Signaling Pathway. <i>Frontiers in Pharmacology</i> , 2020, 11, 1146.	1.6	15
62	Biochemical basis for the age-related sensitivity of broilers to aflatoxin B1. <i>Toxicology Mechanisms and Methods</i> , 2018, 28, 361-368.	1.3	14
63	Selenoprotein-U (SelU) knockdown triggers autophagy through PI3K/Akt/mTOR pathway inhibition in rooster Sertoli cells. <i>Metallomics</i> , 2018, 10, 929-940.	1.0	14
64	Susceptibility breakpoint for Danofloxacin against swine <i>Escherichia coli</i> . <i>BMC Veterinary Research</i> , 2019, 15, 51.	0.7	14
65	Arachidonic acid metabolism is elevated in <i>Mycoplasma gallisepticum</i> and <i>Escherichia coli</i> co-infection and induces LTC4 in serum as the biomarker for detecting poultry respiratory disease. <i>Virulence</i> , 2020, 11, 730-738.	1.8	14
66	Optimization of baicalin water extraction process from <i>Scutellaria baicalensis</i> (a traditional Chinese) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.6	13
67	Laccase cross-linking of sonicated β -Lactalbumin improves physical and oxidative stability of CLA oil in water emulsion. <i>Ultrasonics Sonochemistry</i> , 2021, 71, 105365.	3.8	13
68	Dihydromyricetin alleviates <i>Escherichia coli</i> lipopolysaccharide-induced hepatic injury in chickens by inhibiting the NLRP3 inflammasome. <i>Veterinary Research</i> , 2022, 53, 6.	1.1	12
69	Ferulic acid alleviates AFB1-induced duodenal barrier damage in rats via up-regulating tight junction proteins, down-regulating ROCK, competing CYP450 enzyme and activating GST. <i>Ecotoxicology and Environmental Safety</i> , 2022, 241, 113805.	2.9	12
70	NF-E2-related factor 2 deletion facilitates hepatic fatty acids metabolism disorder induced by high-fat diet via regulating related genes in mice. <i>Food and Chemical Toxicology</i> , 2016, 94, 186-196.	1.8	11
71	Effect of replacing fish meal with meat and bone meal on growth, feed utilization and nitrogen and phosphorus excretion for juvenile <i>Pseudobagrus ussuriensis</i> . <i>Aquaculture Nutrition</i> , 2018, 24, 894-902.	1.1	11
72	Baicalin attenuates endometritis in a rabbit model induced by infection with <i>Escherichia coli</i> and <i>Staphylococcus aureus</i> via NF- κ B and JNK signaling pathways. <i>Domestic Animal Endocrinology</i> , 2021, 74, 106508.	0.8	11

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73	Preparation and evaluation of tilmicosin microspheres and lung-targeting studies in rabbits. <i>Veterinary Journal</i> , 2019, 246, 27-34.	0.6	10
74	Effects of C2-Ceramide and Oltipraz on Hepatocyte Nuclear Factor-1 and Glutathione S-Transferase A1 in Acetaminophen-Mediated Acute Mice Liver Injury. <i>Frontiers in Pharmacology</i> , 2018, 9, 1009.	1.6	9
75	Population pharmacokinetics for danofloxacin in the intestinal contents of healthy and infected chickens. <i>Journal of Veterinary Pharmacology and Therapeutics</i> , 2019, 42, 556-563.	0.6	9
76	Nrf2 is crucial for the down-regulation of Cyp7a1 induced by arachidonic acid in Hepg2 cells. <i>Environmental Toxicology and Pharmacology</i> , 2017, 52, 21-26.	2.0	8
77	High Fat Diet-Induced Hepatic 18-Carbon Fatty Acids Accumulation Up-Regulates CYP2A5/CYP2A6 via NF-E2-Related Factor 2. <i>Frontiers in Pharmacology</i> , 2017, 8, 233.	1.6	8
78	Antimicrobial Resistance and Virulence Profiles of mcr-1-Positive Escherichia coli Isolated from Swine Farms in Heilongjiang Province of China. <i>Journal of Food Protection</i> , 2020, 83, 2209-2215.	0.8	8
79	Evaluation of hepatoprotective activity of Syringa oblata leaves ethanol extract with the indicator of glutathione S-transferase A1. <i>Revista Brasileira De Farmacognosia</i> , 2018, 28, 489-494.	0.6	7
80	Tentative epidemiologic cut-off value and resistant characteristic detection of apramycin against <i>Escherichia coli</i> from chickens. <i>FEMS Microbiology Letters</i> , 2019, 366, .	0.7	7
81	Methylsulfonylmethane ameliorates inflammation via NF- κ B and ERK/JNK-MAPK signaling pathway in chicken trachea and HD11 cells during Mycoplasma gallisepticum infection. <i>Poultry Science</i> , 2022, 101, 101706.	1.5	7
82	Pharmacokinetics and pharmacodynamics integration of danofloxacin against Escherichia coli in piglet ileum ultrafiltration probe model. <i>Scientific Reports</i> , 2021, 11, 681.	1.6	6
83	Mycoplasma gallisepticum induced inflammation-mediated Th1/Th2 immune imbalance via JAK/STAT signaling pathway in chicken trachea: Involvement of respiratory microbiota. <i>Veterinary Microbiology</i> , 2022, 265, 109330.	0.8	6
84	Acetaminophen-induced hepatocyte injury: C2-ceramide and oltipraz intervention, hepatocyte nuclear factor 1 and glutathione S-transferase A1 changes. <i>Journal of Applied Toxicology</i> , 2019, 39, 1640-1650.	1.4	5
85	Efficacy of gamithromycin injection administered intramuscularly against bacterial swine respiratory disease. <i>Research in Veterinary Science</i> , 2020, 128, 118-123.	0.9	5
86	Preventive effects of nerve growth factor against colistin-induced autophagy and apoptosis in PC12 cells. <i>Toxicology Mechanisms and Methods</i> , 2019, 29, 177-186.	1.3	4
87	Hematologic and biochemical reference intervals for 1-month-old specific pathogen-free Landrace pigs. <i>Veterinary Clinical Pathology</i> , 2021, 50, 76-80.	0.3	4
88	Acetaminophen-induced reduction in glutathione-S-transferase A1 in hepatocytes: A role for hepatic nuclear factor 1 \pm and its response element. <i>Biochemical and Biophysical Research Communications</i> , 2019, 516, 251-257.	1.0	3
89	Optimization of Baicalin, Wogonoside, and Chlorogenic Acid Water Extraction Process from the Roots of Scutellariae Radix and Lonicerae japonicae Flos Using Response Surface Methodology (RSM). <i>Processes</i> , 2019, 7, 854.	1.3	3
90	Prevention of acetaminophen-induced hepatocyte injury: JNK inhibition and GSTA1 involvement. <i>Molecular and Cellular Toxicology</i> , 2021, 17, 161-168.	0.8	3

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91	Pharmacokinetic/pharmacodynamic profiles of baicalin against <i>Mycoplasma gallisepticum</i> in an in vivo infection model. <i>Poultry Science</i> , 2021, 100, 101437.	1.5	3
92	Wild-type cutoff for Apramycin against <i>Escherichia coli</i> . <i>BMC Veterinary Research</i> , 2020, 16, 309.	0.7	2
93	In vitro and in vivo antioxidant activities of the flavonoid-rich extract from <i>Flos populus</i> . <i>Pakistan Journal of Pharmaceutical Sciences</i> , 2019, 32, 2553-2560.	0.2	2
94	Effects of Leptin on Differentiation and Proliferation of Chondrocytes. <i>Journal of Hard Tissue Biology</i> , 2019, 28, 51-56.	0.2	1
95	Drug-induced liver injury: Oltipraz and C2-ceramide intervene HNF1 α /GSTA1 expression via JNK signaling pathway. <i>Journal of Applied Toxicology</i> , 2021, 41, 2011-2020.	1.4	1
96	Influence of Different Dietary Rumen Degradable Protein Concentrations on Nutrient Intake, Nutrient Digestibility, Nitrogen Balance, Blood Urea Nitrogen and Milk Yield of Lactating Beetal Goats. <i>Pakistan Journal of Zoology</i> , 2019, 52, .	0.1	1
97	Gut Microbiota Dysbiosis Aggravates <i>Mycoplasma gallisepticum</i> Colonization in the Chicken Lung. <i>Frontiers in Veterinary Science</i> , 2021, 8, 788811.	0.9	1
98	Determination of hydraulic retention time using a Piecewise linear regression analysis in the anaerobic digestion process. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2019, 41, 1391-1401.	1.2	0
99	Resistance Detection and Transmission Risk Analysis of Pig-Derived Pathogenic <i>Escherichia coli</i> in East China. <i>Frontiers in Veterinary Science</i> , 2021, 8, 614651.	0.9	0