

# Yongguo Cao

## List of Publications by Citations

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94  
papers

2,314  
citations

29  
h-index

44  
g-index

99  
ext. papers

2,963  
ext. citations

5.3  
avg, IF

4.79  
L-index

#	Paper	IF	Citations
94	Thymol inhibits LPS-stimulated inflammatory response via down-regulation of NF- $\kappa$ B and MAPK signaling pathways in mouse mammary epithelial cells. <i>Inflammation</i> , <b>2014</b> , 37, 214-22	5.1	102
93	Salidroside attenuates inflammatory responses by suppressing nuclear factor- $\kappa$ B and mitogen activated protein kinases activation in lipopolysaccharide-induced mastitis in mice. <i>Inflammation Research</i> , <b>2013</b> , 62, 9-15	7.2	89
92	Geniposide, from <i>Gardenia jasminoides</i> Ellis, inhibits the inflammatory response in the primary mouse macrophages and mouse models. <i>International Immunopharmacology</i> , <b>2012</b> , 14, 792-8	5.8	82
91	Saikosaponin a inhibits lipopolysaccharide-oxidative stress and inflammation in Human umbilical vein endothelial cells via preventing TLR4 translocation into lipid rafts. <i>Free Radical Biology and Medicine</i> , <b>2015</b> , 89, 777-85	7.8	73
90	Baicalin plays an anti-inflammatory role through reducing nuclear factor- $\kappa$ B and p38 phosphorylation in <i>S. aureus</i> -induced mastitis. <i>International Immunopharmacology</i> , <b>2013</b> , 16, 125-30	5.8	73
89	Magnolol inhibits lipopolysaccharide-induced inflammatory response by interfering with TLR4 mediated NF- $\kappa$ B and MAPKs signaling pathways. <i>Journal of Ethnopharmacology</i> , <b>2013</b> , 145, 193-9	5	73
88	Curcumin attenuates inflammatory responses by suppressing TLR4-mediated NF- $\kappa$ B signaling pathway in lipopolysaccharide-induced mastitis in mice. <i>International Immunopharmacology</i> , <b>2014</b> , 20, 54-8	5.8	72
87	Geniposide plays an anti-inflammatory role via regulating TLR4 and downstream signaling pathways in lipopolysaccharide-induced mastitis in mice. <i>Inflammation</i> , <b>2014</b> , 37, 1588-98	5.1	65
86	Stevioside suppressed inflammatory cytokine secretion by downregulation of NF- $\kappa$ B and MAPK signaling pathways in LPS-stimulated RAW264.7 cells. <i>Inflammation</i> , <b>2012</b> , 35, 1669-75	5.1	64
85	Protective Effect of Naringin on DSS-Induced Ulcerative Colitis in Mice. <i>Journal of Agricultural and Food Chemistry</i> , <b>2018</b> , 66, 13133-13140	5.7	62
84	The protective role of phloretin against dextran sulfate sodium-induced ulcerative colitis in mice. <i>Food and Function</i> , <b>2019</b> , 10, 422-431	6.1	60
83	Selenium inhibits LPS-induced pro-inflammatory gene expression by modulating MAPK and NF- $\kappa$ B signaling pathways in mouse mammary epithelial cells in primary culture. <i>Inflammation</i> , <b>2014</b> , 37, 478-85 <sup>5.1</sup>	5.1	56
82	<i>Staphylococcus aureus</i> and <i>Escherichia coli</i> elicit different innate immune responses from bovine mammary epithelial cells. <i>Veterinary Immunology and Immunopathology</i> , <b>2013</b> , 155, 245-52	2	54
81	Shikonin exerts anti-inflammatory effects in a murine model of lipopolysaccharide-induced acute lung injury by inhibiting the nuclear factor-kappaB signaling pathway. <i>International Immunopharmacology</i> , <b>2013</b> , 16, 475-80	5.8	50
80	Lipopolysaccharide increases Toll-like receptor 4 and downstream Toll-like receptor signaling molecules expression in bovine endometrial epithelial cells. <i>Veterinary Immunology and Immunopathology</i> , <b>2013</b> , 151, 20-7	2	48
79	Oxymatrine lightened the inflammatory response of LPS-induced mastitis in mice through affecting NF- $\kappa$ B and MAPKs signaling pathways. <i>Inflammation</i> , <b>2014</b> , 37, 2047-55	5.1	44
78	Stevioside plays an anti-inflammatory role by regulating the NF- $\kappa$ B and MAPK pathways in <i>S. aureus</i> -infected mouse mammary glands. <i>Inflammation</i> , <b>2014</b> , 37, 1837-46	5.1	44

77	Leonurine exerts anti-inflammatory effect by regulating inflammatory signaling pathways and cytokines in LPS-induced mouse mastitis. <i>Inflammation</i> , <b>2015</b> , 38, 79-88	5.1	42
76	Evodiamine prevents dextran sulfate sodium-induced murine experimental colitis via the regulation of NF- $\kappa$ B and NLRP3 inflammasome. <i>Biomedicine and Pharmacotherapy</i> , <b>2019</b> , 110, 786-795	7.5	42
75	Ripened Pu-erh Tea Extract Protects Mice from Obesity by Modulating Gut Microbiota Composition. <i>Journal of Agricultural and Food Chemistry</i> , <b>2019</b> , 67, 6978-6994	5.7	40
74	Astragalol suppresses inflammatory responses via down-regulation of NF- $\kappa$ B signaling pathway in lipopolysaccharide-induced mastitis in a murine model. <i>International Immunopharmacology</i> , <b>2013</b> , 17, 478-82	5.8	40
73	Magnolol treatment attenuates dextran sulphate sodium-induced murine experimental colitis by regulating inflammation and mucosal damage. <i>Life Sciences</i> , <b>2018</b> , 196, 69-76	6.8	38
72	Protective effect of taraxasterol on acute lung injury induced by lipopolysaccharide in mice. <i>International Immunopharmacology</i> , <b>2014</b> , 19, 342-50	5.8	38
71	Evaluation of novel fusion proteins derived from extracellular matrix binding domains of LigB as vaccine candidates against leptospirosis in a hamster model. <i>Vaccine</i> , <b>2011</b> , 29, 7379-86	4.1	38
70	Magnolol inhibits the inflammatory response in mouse mammary epithelial cells and a mouse mastitis model. <i>Inflammation</i> , <b>2015</b> , 38, 16-26	5.1	36
69	Baicalin inhibits Staphylococcus aureus-induced apoptosis by regulating TLR2 and TLR2-related apoptotic factors in the mouse mammary glands. <i>European Journal of Pharmacology</i> , <b>2014</b> , 723, 481-8	5.3	33
68	Selenium Deficiency Facilitates Inflammation Through the Regulation of TLR4 and TLR4-Related Signaling Pathways in the Mice Uterus. <i>Inflammation</i> , <b>2015</b> , 38, 1347-56	5.1	32
67	The gut microbiota contributes to the development of Staphylococcus aureus-induced mastitis in mice. <i>ISME Journal</i> , <b>2020</b> , 14, 1897-1910	11.9	32
66	Melatonin inhibits endoplasmic reticulum stress-associated TXNIP/NLRP3 inflammasome activation in lipopolysaccharide-induced endometritis in mice. <i>International Immunopharmacology</i> , <b>2018</b> , 64, 101-109	5.8	30
65	Inhibitory Effects of Emodin, Thymol, and Astragalol on Leptospira interrogans-Induced Inflammatory Response in the Uterine and Endometrium Epithelial Cells of Mice. <i>Inflammation</i> , <b>2017</b> , 40, 666-675	5.1	28
64	Zanthoxylum bungeanum pericarp extract prevents dextran sulfate sodium-induced experimental colitis in mice via the regulation of TLR4 and TLR4-related signaling pathways. <i>International Immunopharmacology</i> , <b>2016</b> , 41, 127-135	5.8	28
63	The Protective Effect of Baicalin Against Lead-Induced Renal Oxidative Damage in Mice. <i>Biological Trace Element Research</i> , <b>2017</b> , 175, 129-135	4.5	27
62	Selenium Deficiency Facilitates Inflammation Following S. aureus Infection by Regulating TLR2-Related Pathways in the Mouse Mammary Gland. <i>Biological Trace Element Research</i> , <b>2016</b> , 172, 449-457	4.5	27
61	Geniposide inhibited lipopolysaccharide-induced apoptosis by modulating TLR4 and apoptosis-related factors in mouse mammary glands. <i>Life Sciences</i> , <b>2014</b> , 119, 9-17	6.8	27
60	In Vivo Study of the Efficacy of the Essential Oil of Zanthoxylum bungeanum Pericarp in Dextran Sulfate Sodium-Induced Murine Experimental Colitis. <i>Journal of Agricultural and Food Chemistry</i> , <b>2017</b> , 65, 3311-3319	5.7	26

59	Long-term hexavalent chromium exposure facilitates colorectal cancer in mice associated with changes in gut microbiota composition. <i>Food and Chemical Toxicology</i> , <b>2020</b> , 138, 111237	4.7	26
58	Cepharanthine attenuates lipopolysaccharide-induced mice mastitis by suppressing the NF- $\kappa$ B signaling pathway. <i>Inflammation</i> , <b>2014</b> , 37, 331-7	5.1	26
57	Dimethyl itaconate protects against lipopolysaccharide-induced mastitis in mice by activating MAPKs and Nrf2 and inhibiting NF- $\kappa$ B signaling pathways. <i>Microbial Pathogenesis</i> , <b>2019</b> , 133, 103541	3.8	24
56	Administration of geniposide ameliorates dextran sulfate sodium-induced colitis in mice via inhibition of inflammation and mucosal damage. <i>International Immunopharmacology</i> , <b>2017</b> , 49, 168-177	5.8	22
55	Protective effect of gossypol on lipopolysaccharide-induced acute lung injury in mice. <i>Inflammation Research</i> , <b>2013</b> , 62, 499-506	7.2	22
54	The effects of telocinobufagin isolated from Chan Su on the activation and cytokine secretion of immunocytes in vitro. <i>Fundamental and Clinical Pharmacology</i> , <b>2009</b> , 23, 457-64	3.1	22
53	Ixodes scapularis saliva components that elicit responses associated with acquired tick-resistance. <i>Ticks and Tick-borne Diseases</i> , <b>2020</b> , 11, 101369	3.6	22
52	Toll-Like Receptor 2 Agonist Pam3CSK4 Alleviates the Pathology of Leptospirosis in Hamster. <i>Infection and Immunity</i> , <b>2016</b> , 84, 3350-3357	3.7	21
51	Stevioside inhibits inflammation and apoptosis by regulating TLR2 and TLR2-related proteins in <i>S. aureus</i> -infected mouse mammary epithelial cells. <i>International Immunopharmacology</i> , <b>2014</b> , 22, 192-9	5.8	21
50	Protective Effects of Platycodin D on Lipopolysaccharide-Induced Acute Lung Injury by Activating LXREABCA1 Signaling Pathway. <i>Frontiers in Immunology</i> , <b>2016</b> , 7, 644	8.4	21
49	and Study on the Efficacy of Terpinen-4-ol in Dextran Sulfate Sodium-Induced Mice Experimental Colitis. <i>Frontiers in Immunology</i> , <b>2017</b> , 8, 558	8.4	21
48	Protective effect of TM6 on LPS-induced acute lung injury in mice. <i>Scientific Reports</i> , <b>2017</b> , 7, 572	4.9	20
47	Liver X receptor agonist prevents LPS-induced mastitis in mice. <i>International Immunopharmacology</i> , <b>2014</b> , 22, 379-83	5.8	20
46	Role of sortase A in the pathogenesis of <i>Staphylococcus aureus</i> -induced mastitis in mice. <i>FEMS Microbiology Letters</i> , <b>2014</b> , 351, 95-103	2.9	19
45	Inhibitory effects of astragaloside on lipopolysaccharide-induced inflammatory response in mouse mammary epithelial cells. <i>Journal of Surgical Research</i> , <b>2014</b> , 192, 573-81	2.5	19
44	Doxycycline Attenuates <i>Leptospira</i> -Induced IL-1 $\beta$ by Suppressing NLRP3 Inflammasome Priming. <i>Frontiers in Immunology</i> , <b>2017</b> , 8, 857	8.4	17
43	Efficacy of cefepime, ertapenem and norfloxacin against leptospirosis and for the clearance of pathogens in a hamster model. <i>Microbial Pathogenesis</i> , <b>2014</b> , 77, 78-83	3.8	16
42	RP105 involved in activation of mouse macrophages via TLR2 and TLR4 signaling. <i>Molecular and Cellular Biochemistry</i> , <b>2013</b> , 378, 183-93	4.2	16

41	Responses of murine and human macrophages to leptospiral infection: a study using comparative array analysis. <i>PLoS Neglected Tropical Diseases</i> , <b>2013</b> , 7, e2477	4.8	16
40	Porcine Viperin protein inhibits the replication of classical swine fever virus (CSFV) in vitro. <i>Virology Journal</i> , <b>2017</b> , 14, 202	6.1	15
39	Induction of heme oxygenas-1 attenuates NLRP3 inflammasome activation in lipopolysaccharide-induced mastitis in mice. <i>International Immunopharmacology</i> , <b>2017</b> , 52, 185-190	5.8	13
38	Leptospira interrogans induces uterine inflammatory responses and abnormal expression of extracellular matrix proteins in dogs. <i>Microbial Pathogenesis</i> , <b>2014</b> , 75, 1-6	3.8	13
37	Low-dose norfloxacin and ciprofloxacin therapy worsen leptospirosis in hamster. <i>Microbial Pathogenesis</i> , <b>2017</b> , 102, 36-41	3.8	11
36	Selenium Deficiency Deteriorate the Inflammation of S. aureus Infection via Regulating NF- $\kappa$ B and PPAR- $\gamma$ in Mammary Gland of Mice. <i>Biological Trace Element Research</i> , <b>2016</b> , 172, 140-147	4.5	11
35	The anti-inflammatory effect of TR6 on LPS-induced mastitis in mice. <i>International Immunopharmacology</i> , <b>2016</b> , 30, 150-156	5.8	11
34	Sodium butyrate alleviates lipopolysaccharide-induced endometritis in mice through inhibiting inflammatory response. <i>Microbial Pathogenesis</i> , <b>2019</b> , 137, 103792	3.8	10
33	Pingwei San ameliorates dextran sulfate sodium-induced chronic colitis in mice. <i>Journal of Ethnopharmacology</i> , <b>2019</b> , 236, 91-99	5	9
32	TRAM-Derived Decoy Peptides inhibits the inflammatory response in mouse mammary epithelial cells and a mastitis model in mice. <i>European Journal of Pharmacology</i> , <b>2015</b> , 764, 607-612	5.3	9
31	The preventable efficacy of $\beta$ -glucan against leptospirosis. <i>PLoS Neglected Tropical Diseases</i> , <b>2019</b> , 13, e0007789	4.8	9
30	Effects of niacin on Staphylococcus aureus internalization into bovine mammary epithelial cells by modulating NF- $\kappa$ B activation. <i>Microbial Pathogenesis</i> , <b>2014</b> , 71-72, 62-7	3.8	9
29	Low-dose Norfloxacin-treated leptospires induce less IL-1 $\beta$ release in J774A.1 cells following discrepant leptospiral gene expression. <i>Microbial Pathogenesis</i> , <b>2018</b> , 119, 125-130	3.8	8
28	Immunopotential of Caffeoyl Glycoside from Picrorhiza scrophulariiflora on activation and cytokines secretion of immunocyte in vitro. <i>International Immunopharmacology</i> , <b>2008</b> , 8, 1707-12	5.8	8
27	The Abilities of Salidroside on Ameliorating Inflammation, Skewing the Imbalanced Nucleotide Oligomerization Domain-Like Receptor Family Pyrin Domain Containing 3/Autophagy, and Maintaining Intestinal Barrier Are Profitable in Colitis. <i>Frontiers in Pharmacology</i> , <b>2019</b> , 10, 1385	5.6	8
26	Ping weisan alleviates chronic colitis in mice by regulating intestinal microbiota composition. <i>Journal of Ethnopharmacology</i> , <b>2020</b> , 255, 112715	5	7
25	Increased inflammation with crude LPS protects against acute leptospirosis in hamsters. <i>Emerging Microbes and Infections</i> , <b>2020</b> , 9, 140-147	18.9	7
24	Clostridium tyrobutyricum alleviates Staphylococcus aureus-induced endometritis in mice by inhibiting endometrial barrier disruption and inflammatory response. <i>Food and Function</i> , <b>2019</b> , 10, 6699-6710	6.1	7

23	A human secretome library screen reveals a role for Peptidoglycan Recognition Protein 1 in Lyme borreliosis. <i>PLoS Pathogens</i> , <b>2020</b> , 16, e1009030	7.6	6
22	Efficacy of the Rabbit Polyclonal Anti-leptospira Antibody against Homotype or Heterotype Leptospira Infection in Hamster. <i>PLoS Neglected Tropical Diseases</i> , <b>2016</b> , 10, e0005191	4.8	6
21	Endometrial inflammation and abnormal expression of extracellular matrix proteins induced by <i>Mycoplasma bovis</i> in dairy cows. <i>Theriogenology</i> , <b>2014</b> , 81, 669-74	2.8	4
20	Dioscin prevents DSS-induced colitis in mice with enhancing intestinal barrier function and reducing colon inflammation. <i>International Immunopharmacology</i> , <b>2021</b> , 99, 108015	5.8	4
19	Neutralization of Interleukin-17A Attenuates Lipopolysaccharide-Induced Mastitis by Inhibiting Neutrophil Infiltration and the Inflammatory Response. <i>Journal of Interferon and Cytokine Research</i> , <b>2019</b> , 39, 577-584	3.5	3
18	Dipotassium glycyrrhizinate relieves leptospira-induced nephritis in vitro and in vivo. <i>Microbial Pathogenesis</i> , <b>2021</b> , 152, 104770	3.8	3
17	Gut microbiota mediate the protective effects on endometritis induced by <i>Staphylococcus aureus</i> in mice. <i>Food and Function</i> , <b>2020</b> , 11, 3695-3705	6.1	3
16	An <i>Ixodes scapularis</i> Protein Disulfide Isomerase Contributes to <i>Borrelia burgdorferi</i> Colonization of the Vector. <i>Infection and Immunity</i> , <b>2020</b> , 88,	3.7	2
15	<i>Bacillus licheniformis</i> Zhengchangsheng $\square$ Inhibits Obesity by Regulating the AMP-Activated Protein Kinase Signaling Pathway. <i>Probiotics and Antimicrobial Proteins</i> , <b>2021</b> , 13, 1658-1667	5.5	2
14	<i>Aedes aegypti</i> SNAP and a calcium transporter ATPase influence dengue virus dissemination. <i>PLoS Neglected Tropical Diseases</i> , <b>2021</b> , 15, e0009442	4.8	2
13	<i>Eurotium cristatum</i> produced $\beta$ -hydroxy acid metabolite of monacolin K and improved bioactive compound contents as well as functional properties in fermented wheat bran. <i>LWT - Food Science and Technology</i> , <b>2022</b> , 158, 113088	5.4	1
12	The Lyme disease agent co-opts adiponectin receptor-mediated signaling in its arthropod vector. <i>ELife</i> , <b>2021</b> , 10,	8.9	1
11	The Prevention Effect of <i>Bacillus subtilis</i> on <i>Escherichia coli</i> -Induced Mastitis in Mice by Suppressing the NF- $\kappa$ B and MAPK Signaling Pathways. <i>Probiotics and Antimicrobial Proteins</i> , <b>2021</b> , 1	5.5	1
10	Preliminary Characterization of Dog Derived Pathogenic Strains of Serovar Australis in Nanchang of Jiangxi Province, China. <i>Frontiers in Veterinary Science</i> , <b>2020</b> , 7, 607115	3.1	1
9	Gut microbiota involved in leptospiral infections. <i>ISME Journal</i> , <b>2021</b> ,	11.9	1
8	The Rumen Microbiota Contributes to the Development of Mastitis in Dairy Cows.. <i>Microbiology Spectrum</i> , <b>2022</b> , 10, e0251221	8.9	1
7	The pre-activated immune response induced by LPS protects host from leptospirosis. <i>PLoS ONE</i> , <b>2020</b> , 15, e0242742	3.7	0
6	Norfloxacin suppresses <i>Leptospira</i> -induced inflammation through inhibiting p65 and ERK phosphorylation and NLRP3 inflammasome activation. <i>Microbial Pathogenesis</i> , <b>2021</b> , 162, 105315	3.8	0

5	A lethal model of <i>Leptospira</i> infection in hamster nasal mucosa.. <i>PLoS Neglected Tropical Diseases</i> , <b>2022</b> , 16, e0010191	4.8	o
4	Emergency vaccine immunization protects hamsters against acute leptospirosis. <i>Microbial Pathogenesis</i> , <b>2021</b> , 161, 105274	3.8	
3	Immune-enhanced effect of Iris polysaccharide is protective against leptospirosis. <i>Microbial Pathogenesis</i> , <b>2021</b> , 154, 104855	3.8	
2	IL-10 deficiency protects hamsters from infection.. <i>Infection and Immunity</i> , <b>2021</b> , IAI0058421	3.7	
1	Astragalus polysaccharides protects against acute leptospirosis by glycolysis-depended priming effect. <i>Biomedicine and Pharmacotherapy</i> , <b>2022</b> , 151, 113198	7.5	