

Hong Zhou

List of Publications by Year in descending order

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57
papers

1,843
citations

257450
24
h-index

289244
40
g-index

60
all docs

60
docs citations

60
times ranked

3155
citing authors

#	ARTICLE	IF	CITATIONS
1	Role of Endothelial TLR4 for Neutrophil Recruitment into Central Nervous System Microvessels in Systemic Inflammation. <i>Journal of Immunology</i> , 2009, 183, 5244-5250.	0.8	145
2	A Requirement for Microglial TLR4 in Leukocyte Recruitment into Brain in Response to Lipopolysaccharide. <i>Journal of Immunology</i> , 2006, 177, 8103-8110.	0.8	138
3	Blocking interleukin-6 trans-signaling protects against renal fibrosis by suppressing STAT3 activation. <i>Theranostics</i> , 2019, 9, 3980-3991.	10.0	105
4	Aberrant spontaneous low-frequency brain activity in amnesic mild cognitive impairment: A meta-analysis of resting-state fMRI studies. <i>Ageing Research Reviews</i> , 2017, 35, 12-21.	10.9	97
5	NLRP3 Gene Deletion Attenuates Angiotensin II-Induced Phenotypic Transformation of Vascular Smooth Muscle Cells and Vascular Remodeling. <i>Cellular Physiology and Biochemistry</i> , 2017, 44, 2269-2280.	1.6	88
6	CXCR2 is essential for cerebral endothelial activation and leukocyte recruitment during neuroinflammation. <i>Journal of Neuroinflammation</i> , 2015, 12, 98.	7.2	82
7	Complement component C3a plays a critical role in endothelial activation and leukocyte recruitment into the brain. <i>Journal of Neuroinflammation</i> , 2016, 13, 23.	7.2	76
8	Chitinase 3-like 1-CD44 interaction promotes metastasis and epithelial-to-mesenchymal transition through β -catenin/Erk/Akt signaling in gastric cancer. <i>Journal of Experimental and Clinical Cancer Research</i> , 2018, 37, 208.	8.6	71
9	Klotho Reduction in Alveolar Macrophages Contributes to Cigarette Smoke Extract-induced Inflammation in Chronic Obstructive Pulmonary Disease. <i>Journal of Biological Chemistry</i> , 2015, 290, 27890-27900.	3.4	68
10	IL-33/ST2 plays a critical role in endothelial cell activation and microglia-mediated neuroinflammation modulation. <i>Journal of Neuroinflammation</i> , 2018, 15, 136.	7.2	50
11	Endothelial cell activation in central nervous system inflammation. <i>Journal of Leukocyte Biology</i> , 2017, 101, 1119-1132.	3.3	46
12	Fungal dissemination is limited by liver macrophage filtration of the blood. <i>Nature Communications</i> , 2019, 10, 4566.	12.8	46
13	FTY720 Inhibits MPP+-Induced Microglial Activation by Affecting NLRP3 Inflammasome Activation. <i>Journal of Neuroimmune Pharmacology</i> , 2019, 14, 478-492.	4.1	43
14	Spinal IL-33/ST2 signaling mediates chronic itch in mice through the astrocytic JAK2-STAT3 cascade. <i>Glia</i> , 2019, 67, 1680-1693.	4.9	43
15	SPHK1 deficiency protects mice from acetaminophen-induced ER stress and mitochondrial permeability transition. <i>Cell Death and Differentiation</i> , 2020, 27, 1924-1937.	11.2	43
16	Hydrogen Sulfide Prevents Elastin Loss and Attenuates Calcification Induced by High Glucose in Smooth Muscle Cells through Suppression of Stat3/Cathepsin S Signaling Pathway. <i>International Journal of Molecular Sciences</i> , 2019, 20, 4202.	4.1	38
17	Real-time in vivo imaging reveals the ability of neutrophils to remove <i>Cryptococcus neoformans</i> directly from the brain vasculature. <i>Journal of Leukocyte Biology</i> , 2016, 99, 467-473.	3.3	37
18	CD36 deficiency attenuates immune-mediated hepatitis in mice by modulating the proapoptotic effects of CXC chemokine ligand 10. <i>Hepatology</i> , 2018, 67, 1943-1955.	7.3	37

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19	TLR signalling affects sperm mitochondrial function and motility via phosphatidylinositol 3-kinase and glycogen synthase kinase-3 β . <i>Cellular Signalling</i> , 2016, 28, 148-156.	3.6	34
20	Real-Time Imaging of Interactions of Neutrophils with <i>Cryptococcus neoformans</i> Demonstrates a Crucial Role of Complement C5a-C5aR Signaling. <i>Infection and Immunity</i> , 2016, 84, 216-229.	2.2	33
21	FTY720 attenuates behavioral deficits in a murine model of systemic lupus erythematosus. <i>Brain, Behavior, and Immunity</i> , 2018, 70, 293-304.	4.1	31
22	BLT β 1 signaling in epithelial cells mediates allergic sensitization via promotion of IL-33 production. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2019, 74, 495-506.	5.7	30
23	FNDC5 Attenuates Oxidative Stress and NLRP3 Inflammasome Activation in Vascular Smooth Muscle Cells via Activating the AMPK-SIRT1 Signal Pathway. <i>Oxidative Medicine and Cellular Longevity</i> , 2020, 2020, 1-15.	4.0	30
24	Intravascular clearance of disseminating <i>Cryptococcus neoformans</i> in the brain can be improved by enhancing neutrophil recruitment in mice. <i>European Journal of Immunology</i> , 2016, 46, 1704-1714.	2.9	26
25	Critical Role of Myeloid-Derived Suppressor Cells in Tumor-Induced Liver Immune Suppression through Inhibition of NKT Cell Function. <i>Frontiers in Immunology</i> , 2017, 8, 129.	4.8	25
26	Sphingosine kinase 2 cooperating with Fyn promotes kidney fibroblast activation and fibrosis via STAT3 and AKT. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2018, 1864, 3824-3836.	3.8	24
27	Intermedin in Paraventricular Nucleus Attenuates Ang II-Induced Sympathoexcitation through the Inhibition of NADPH Oxidase-Dependent ROS Generation in Obese Rats with Hypertension. <i>International Journal of Molecular Sciences</i> , 2019, 20, 4217.	4.1	24
28	1,25-Dihydroxyvitamin D Inhibits LPS-Induced High-Mobility Group Box 1 (HMGB1) Secretion via Targeting the NF-E2-Related Factor 2-Hemeoxygenase-1-HMGB1 Pathway in Macrophages. <i>Frontiers in Immunology</i> , 2017, 8, 1308.	4.8	23
29	NIK links inflammation to hepatic steatosis by suppressing PPAR α in alcoholic liver disease. <i>Theranostics</i> , 2020, 10, 3579-3593.	10.0	22
30	Distinct Contributions of CD4 $^{+}$ and CD8 $^{+}$ T Cells to Pathogenesis of <i>Trypanosoma brucei</i> Infection in the Context of Gamma Interferon and Interleukin-10. <i>Infection and Immunity</i> , 2015, 83, 2785-2795.	2.2	21
31	Adipose afferent reflex is enhanced by TNF α in paraventricular nucleus through NADPH oxidase-dependent ROS generation in obesity-related hypertensive rats. <i>Journal of Translational Medicine</i> , 2019, 17, 256.	4.4	21
32	Astaxanthin protects against renal fibrosis through inhibiting myofibroblast activation and promoting CD8 $^{+}$ T cell recruitment. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2019, 1863, 1360-1370.	2.4	20
33	Chemical Stimulation of Renal Tissue Induces Sympathetic Activation and a Pressor Response via the Paraventricular Nucleus in Rats. <i>Neuroscience Bulletin</i> , 2020, 36, 143-152.	2.9	19
34	Inhibition of miR-135a-5p attenuates vascular smooth muscle cell proliferation and vascular remodeling in hypertensive rats. <i>Acta Pharmacologica Sinica</i> , 2021, 42, 1798-1807.	6.1	19
35	Bisphenol A affects trophoblast invasion by inhibiting CXCL8 expression in decidual stromal cells. <i>Molecular and Cellular Endocrinology</i> , 2018, 470, 38-47.	3.2	18
36	Fingolimod targets cerebral endothelial activation to block leukocyte recruitment in the central nervous system. <i>Journal of Leukocyte Biology</i> , 2018, 103, 107-118.	3.3	15

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37	Fibronectin Type III Domain-Containing 5 Attenuates Liver Fibrosis Via Inhibition of Hepatic Stellate Cell Activation. <i>Cellular Physiology and Biochemistry</i> , 2018, 48, 227-236.	1.6	13
38	miR-31-5p Promotes Oxidative Stress and Vascular Smooth Muscle Cell Migration in Spontaneously Hypertensive Rats via Inhibiting FNDC5 Expression. <i>Biomedicines</i> , 2021, 9, 1009.	3.2	13
39	Intermedin in the Paraventricular Nucleus Attenuates Cardiac Sympathetic Afferent Reflex in Chronic Heart Failure Rats. <i>PLoS ONE</i> , 2014, 9, e94234.	2.5	12
40	Intracellular C3 prevents hepatic steatosis by promoting autophagy and very-low-density lipoprotein secretion. <i>FASEB Journal</i> , 2021, 35, e22037.	0.5	11
41	Morphine induces the differentiation of T helper cells to Th2 effector cells via the PKC- β -GATA3 pathway. <i>International Immunopharmacology</i> , 2020, 80, 106133.	3.8	10
42	Exposure to environmental bisphenol A inhibits HTR-8/SVneo cell migration and invasion. <i>Journal of Biomedical Research</i> , 2020, 34, 369.	1.6	10
43	Intravital imaging of interactions between iNKT and kupffer cells to clear free lipids during steatohepatitis. <i>Theranostics</i> , 2021, 11, 2149-2169.	10.0	9
44	Adrenomedullin ameliorates palmitic acid-induced insulin resistance through PI3K/Akt pathway in adipocytes. <i>Acta Diabetologica</i> , 2022, 59, 661-673.	2.5	9
45	Adrenomedullin Attenuates Inflammation in White Adipose Tissue of Obese Rats Through Receptor-Mediated PKA Pathway. <i>Obesity</i> , 2021, 29, 86-97.	3.0	8
46	Hydrogen sulfide prevents arterial medial calcification in rats with diabetic nephropathy. <i>BMC Cardiovascular Disorders</i> , 2021, 21, 495.	1.7	8
47	Serum iron levels are negatively correlated with serum triglycerides levels in female university students. <i>Annals of Palliative Medicine</i> , 2020, 9, 414-419.	1.2	7
48	Elevated thyroglobulin level is associated with dysfunction of regulatory T cells in patients with thyroid nodules. <i>Endocrine Connections</i> , 2019, 8, 309-317.	1.9	7
49	Clinical significance of reduced GPRC5A expression in surgically resected non-small cell lung cancer. <i>Oncology Letters</i> , 2018, 17, 502-507.	1.8	6
50	White Matter Lesions Predict Recurrent Vascular Events in Patients with Transient Ischemic Attacks. <i>Chinese Medical Journal</i> , 2018, 131, 130-136.	2.3	6
51	Critical role for PI3K-dependent neutrophil reactive oxygen species in WKYMV-induced microvascular hyperpermeability. <i>Journal of Leukocyte Biology</i> , 2019, 106, 1117-1127.	3.3	6
52	Triclosan inhibits the activation of human periodontal ligament fibroblasts induced by lipopolysaccharide from <i>Porphyromonas gingivalis</i> . <i>Journal of Biomedical Research</i> , 2021, 35, 206.	1.6	6
53	Cardiac sympathetic afferent reflex response to intermedin microinjection into paraventricular nucleus is mediated by nitric oxide and l ³ -amino butyric acid in hypertensive rats. <i>Experimental Biology and Medicine</i> , 2014, 239, 1352-1359.	2.4	4
54	Adrenomedullin 2 attenuates LPS-induced inflammation in microglia cells by receptor-mediated cAMP-PKA pathway. <i>Neuropeptides</i> , 2021, 85, 102109.	2.2	4

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55	Expression of Caveolin-1 Is Associated With Thyroid Function in Patients With Human Papillary Thyroid Carcinoma. Dose-Response, 2020, 18, 155932582091933.	1.6	1
56	An essential role for endothelial TLR4 in leukocyte recruitment. FASEB Journal, 2007, 21, .	0.5	1
57	Expression of thyroglobulin by regulatory T cells in thyroid tissue. Journal of Molecular Endocrinology, 2019, 63, 261-271.	2.5	0