Xue Zhang

List of Publications by Year
in descending order

36	1,965	394421	345221
papers	citations	h-index	g-index

39	39	39	2994
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Bile Acids Control Inflammation and Metabolic Disorder through Inhibition of NLRP3 Inflammasome. Immunity, 2016, 45, 802-816.	14.3	520
2	One-Carbon Metabolism Supports S-Adenosylmethionine and Histone Methylation to Drive Inflammatory Macrophages. Molecular Cell, 2019, 75, 1147-1160.e5.	9.7	186
3	Cholesterol Homeostatic Regulator SCAP-SREBP2 Integrates NLRP3 Inflammasome Activation and Cholesterol Biosynthetic Signaling in Macrophages. Immunity, 2018, 49, 842-856.e7.	14.3	184
4	Myeloid-Specific Disruption of Tyrosine Phosphatase Shp2 Promotes Alternative Activation of Macrophages and Predisposes Mice to Pulmonary Fibrosis. Journal of Immunology, 2014, 193, 2801-2811.	0.8	93
5	A highly conserved processed PTEN pseudogene is located on chromosome band 9p21. Oncogene, 1998, 16, 2403-2406.	5.9	92
6	Phosphatase Shp2 exacerbates intestinal inflammation by disrupting macrophage responsiveness to interleukin-10. Journal of Experimental Medicine, 2019, 216, 337-349.	8.5	70
7	The NLRP3 inflammasome: Role in metabolic disorders and regulation by metabolic pathways. Cancer Letters, 2018, 419, 8-19.	7.2	68
8	METTL3 promotes lung adenocarcinoma tumor growth and inhibits ferroptosis by stabilizing SLC7A11 m6A modification. Cancer Cell International, 2022, 22, 11.	4.1	57
9	Histone Deacetylase 3 Couples Mitochondria to Drive IL-1Î²-Dependent Inflammation by Configuring Fatty Acid Oxidation. Molecular Cell, 2020, 80, 43-58.e7.	9.7	55
10	Increased levels of Gab1 and Gab2 adaptor proteins skew interleukin-4 (IL-4) signaling toward M2 macrophage-driven pulmonary fibrosis in mice. Journal of Biological Chemistry, 2017, 292, 14003-14015.	3.4	54
11	Oxidative stress-induced FABP5 S-glutathionylation protects against acute lung injury by suppressing inflammation in macrophages. Nature Communications, 2021, 12, 7094.	12.8	53
12	Loss of Shp2 in alveoli epithelia induces deregulated surfactant homeostasis, resulting in spontaneous pulmonary fibrosis. FASEB Journal, 2012, 26, 2338-2350.	0.5	52
13	Epithelial Gasdermin D shapes the host-microbial interface by driving mucus layer formation. Science Immunology, 2022, 7, eabk2092.	11.9	48
14	Endothelial deletion of SHP2 suppresses tumor angiogenesis and promotes vascular normalization. Nature Communications, 2021, 12, 6310.	12.8	47
15	A dynamic real-time method for monitoring epithelial barrier function in vitro. Analytical Biochemistry, 2012, 425, 96-103.	2.4	44
16	PDLIM5 inhibits STUB1-mediated degradation of SMAD3 and promotes the migration and invasion of lung cancer cells. Journal of Biological Chemistry, 2020, 295, 13798-13811.	3.4	40
17	Manipulating the air-filled zebrafish swim bladder as a neutrophilic inflammation model for acute lung injury. Cell Death and Disease, 2016, 7, e2470-e2470.	6.3	39
18	Positive Regulation of Interleukin-1Î² Bioactivity by Physiological ROS-Mediated Cysteine S-Glutathionylation. Cell Reports, 2017, 20, 224-235.	6.4	35

#	Article	IF	Citations
19	A novel cell-based assay for dynamically detecting neutrophil extracellular traps-induced lung epithelial injuries. Experimental Cell Research, 2020, 394, 112101.	2.6	27
20	Endothelial Scaffolding Protein ENH (Enigma Homolog Protein) Promotes PHLPP2 (Pleckstrin) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 712 and eNOS (Endothelial NO Synthase) Promoting Vascular Remodeling. Arteriosclerosis, Thrombosis, and Vascular Biology, 2020, 40, 1705-1721.	2.4	22
21	Macrophage-Restricted Shp2 Tyrosine Phosphatase Acts as a Rheostat for MMP12 through TGF-Î² Activation in the Prevention of Age-Related Emphysema in Mice. Journal of Immunology, 2017, 199, 2323-2332.	0.8	21
22	SHP2 protects endothelial cell barrier through suppressing VEâ€cadherin internalization regulated by METâ€ARF1. FASEB Journal, 2019, 33, 1124-1137.	0.5	18
23	Docking protein Gab2 regulates mucin expression and goblet cell hyperplasia through TYK2/STAT6 pathway. FASEB Journal, 2012, 26, 4603-4613.	0.5	17
24	Ubiquitination of NLRP3 by gp78/Insig-1 restrains NLRP3 inflammasome activation. Cell Death and Differentiation, 2022, 29, 1582-1595.	11.2	17
25	Scaffolding protein Gab1 regulates myeloid dendritic cell migration in allergic asthma. Cell Research, 2016, 26, 1226-1241.	12.0	16
26	Tespa1 negatively regulates FcÎµRI-mediated signaling and the mast cellâ€“mediated allergic response. Journal of Experimental Medicine, 2014, 211, 2635-2649.	8.5	13
27	AKT controls NLRP3 inflammasome activation by inducing DDX3X phosphorylation. FEBS Letters, 2021, 595, 2447-2462.	2.8	13
28	Kir2.1-mediated membrane potential promotes nutrient acquisition and inflammation through regulation of nutrient transporters. Nature Communications, 2022, 13, .	12.8	12
29	Epithelial disruption of Gab1 perturbs surfactant homeostasis and predisposes mice to lung injuries. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2016, 311, L1149-L1159.	2.9	10
30	Cell-based phenotypic screening of mast cell degranulation unveils kinetic perturbations of agents targeting phosphorylation. Scientific Reports, 2016, 6, 31320.	3.3	10
31	Compatibility principle in the Tanyu Tongzhi Formula revealed by a cell-based analysis. Journal of Ethnopharmacology, 2019, 231, 507-515.	4.1	10
32	Endothelial Shp2 deficiency controls alternative activation of macrophage preventing radiation-induced lung injury through notch signaling. IScience, 2022, 25, 103867.	4.1	6
33	Shp2 in myocytes is essential for cardiovascular and neointima development. Journal of Molecular and Cellular Cardiology, 2019, 137, 71-81.	1.9	5
34	Tyrosine phosphatase Shp2 regulates p115RhoGEF/Rho-dependent dendritic cell migration. Cellular and Molecular Immunology, 2021, 18, 755-757.	10.5	5
35	Gremlin2 Activates Fibroblasts to Promote Pulmonary Fibrosis Through the Bone Morphogenic Protein Pathway. Frontiers in Molecular Biosciences, 2021, 8, 683267.	3.5	5
36	GAB1 is upregulated to promote anaplastic thyroid cancer cell migration through AKT-MDR1. Biochemical and Biophysical Research Communications, 2022, 607, 36-43.	2.1	1