Yutong Zhao

List of Publications by Year in descending order

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Version: 2024-02-01

88 papers	3,447 citations	101543 36 h-index	155660 55 g-index
88 all docs	88 docs citations	88 times ranked	4401 citing authors

#	Article	IF	Citations
1	F-box protein FBXL19â€“mediated ubiquitination and degradation of the receptor for IL-33 limits pulmonary inflammation. Nature Immunology, 2012, 13, 651-658.	14.5	127
2	Sphingosine-1â€“Phosphate, FTY720, and Sphingosine-1â€“Phosphate Receptors in the Pathobiology of Acute Lung Injury. American Journal of Respiratory Cell and Molecular Biology, 2013, 49, 6-17.	2.9	127
3	Intracellular Generation of Sphingosine 1-Phosphate in Human Lung Endothelial Cells. Journal of Biological Chemistry, 2007, 282, 14165-14177.	3.4	120
4	A combinatorial F box protein directed pathway controls TRAF adaptor stability to regulate inflammation. Nature Immunology, 2013, 14, 470-479.	14.5	118
5	Protein Kinase CÎ´ Mediates Lysophosphatidic Acid-induced NF-ÎºB Activation and Interleukin-8 Secretion in Human Bronchial Epithelial Cells. Journal of Biological Chemistry, 2004, 279, 41085-41094.	3.4	114
6	Protection of LPS-Induced Murine Acute Lung Injury by Sphingosine-1-Phosphate Lyase Suppression. American Journal of Respiratory Cell and Molecular Biology, 2011, 45, 426-435.	2.9	110
7	Lysophosphatidic acid (LPA) and its receptors: Role in airway inflammation and remodeling. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2013, 1831, 86-92.	2.4	96
8	Transcriptional regulation of lysophosphatidic acid-induced interleukin-8 expression and secretion by p38 MAPK and JNK in human bronchial epithelial cells. Biochemical Journal, 2006, 393, 657-668.	3.7	93
9	Regulation of Lysophosphatidic Acid-induced Epidermal Growth Factor Receptor Transactivation and Interleukin-8 Secretion in Human Bronchial Epithelial Cells by Protein Kinase CÎ´, Lyn Kinase, and Matrix Metalloproteinases. Journal of Biological Chemistry, 2006, 281, 19501-19511.	3.4	91
10	Differential regulation of sphingosine kinases 1 and 2 in lung injury. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2009, 296, L603-L613.	2.9	86
11	Lysophosphatidic Acid Receptorâ€“2 Deficiency Confers Protection against Bleomycin-Induced Lung Injury and Fibrosis in Mice. American Journal of Respiratory Cell and Molecular Biology, 2013, 49, 912-922.	2.9	85
12	De novo biosynthesis of dihydrosphingosine-1-phosphate by sphingosine kinase 1 in mammalian cells. Cellular Signalling, 2006, 18, 1779-1792.	3.6	83
13	Regulation of COX-2 Expression and IL-6 Release by Particulate Matter in Airway Epithelial Cells. American Journal of Respiratory Cell and Molecular Biology, 2009, 40, 19-30.	2.9	78
14	Lysophosphatidic acid signaling in airway epithelium: Role in airway inflammation and remodeling. Cellular Signalling, 2009, 21, 367-377.	3.6	74
15	A new mechanism of RhoA ubiquitination and degradation: Roles of SCF FBXL19 E3 ligase and Erk2. Biochimica Et Biophysica Acta - Molecular Cell Research, 2013, 1833, 2757-2764.	4.1	74
16	Acyl-CoA:Lysophosphatidylcholine Acyltransferase I (Lpcat1) Catalyzes Histone Protein O-Palmitoylation to Regulate mRNA Synthesis. Journal of Biological Chemistry, 2011, 286, 28019-28025.	3.4	73
17	The role of ubiquitination and deubiquitination in the regulation of cell junctions. Protein and Cell, 2018, 9, 754-769.	11.0	71
18	Lipid phosphate phosphatase-1 regulates lysophosphatidic acid-induced calcium release, NF-ÎºB activation and interleukin-8 secretion in human bronchial epithelial cells. Biochemical Journal, 2005, 385, 493-502.	3.7	70

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19	SCF E3 ligase Fâ€box protein complex SCF^{FBXL19}regulates cell migration by mediating Rac1 ubiquitination and degradation. FASEB Journal, 2013, 27, 2611-2619.	0.5	67
20	Induction of Deubiquitinating Enzyme USP50 during Erythropoiesis and its Potential Role in the Regulation of Ku70 Stability. Journal of Investigative Medicine, 2018, 66, 1-6.	1.6	64
21	Overexpression of USP14 Protease Reduces I-Î²B Protein Levels and Increases Cytokine Release in Lung Epithelial Cells. Journal of Biological Chemistry, 2013, 288, 15437-15441.	3.4	62
22	Involvement of Phospholipase D2 in Lysophosphatidate-induced Transactivation of Platelet-derived Growth Factor Receptor-Î² in Human Bronchial Epithelial Cells. Journal of Biological Chemistry, 2003, 278, 39931-39940.	3.4	61
23	Lysophosphatidic acid receptor 1 modulates lipopolysaccharide-induced inflammation in alveolar epithelial cells and murine lungs. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2011, 301, L547-L556.	2.9	59
24	Lysophosphatidic Acid Enhances Pulmonary Epithelial Barrier Integrity and Protects Endotoxin-induced Epithelial Barrier Disruption and Lung Injury. Journal of Biological Chemistry, 2009, 284, 24123-24132.	3.4	57
25	Role of lysophosphatidic acid receptor LPA2 in the development of allergic airway inflammation in a murine model of asthma. Respiratory Research, 2009, 10, 114.	3.6	57
26	Role of sphingolipids in murine radiationâ€induced lung injury: protection by sphingosine 1â€phosphate analogs. FASEB Journal, 2011, 25, 3388-3400.	0.5	57
27	Targeting F Box Protein Fbxo3 To Control Cytokine-Driven Inflammation. Journal of Immunology, 2013, 191, 5247-5255.	0.8	55
28	Lysophosphatidic acid-induced transactivation of epidermal growth factor receptor regulates cyclo-oxygenase-2 expression and prostaglandin E2 release via C/EBPÎ² in human bronchial epithelial cells. Biochemical Journal, 2008, 412, 153-162.	3.7	52
29	F-box protein complex FBXL19 regulates TGFÎ²1-induced E-cadherin down-regulation by mediating Rac3 ubiquitination and degradation. Molecular Cancer, 2014, 13, 76.	19.2	52
30	Full Spectrum of LPS Activation in Alveolar Macrophages of Healthy Volunteers by Whole Transcriptomic Profiling. PLoS ONE, 2016, 11, e0159329.	2.5	51
31	Lysophosphatidic acid enhances interleukin-13 gene expression and promoter activity in T cells. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2006, 290, L66-L74.	2.9	47
32	Lysophosphatidic Acid Induces Interleukin-13 (IL-13) Receptor Î±2 Expression and Inhibits IL-13 Signaling in Primary Human Bronchial Epithelial Cells. Journal of Biological Chemistry, 2007, 282, 10172-10179.	3.4	40
33	Role of acylglycerol kinase in LPA-induced IL-8 secretion and transactivation of epidermal growth factor-receptor in human bronchial epithelial cells. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2009, 296, L328-L336.	2.9	39
34	Autotaxin induces lung epithelial cell migration through lysoPLD activity-dependent and -independent pathways. Biochemical Journal, 2011, 439, 45-55.	3.7	39
35	LPS Impairs Phospholipid Synthesis by Triggering Î²-Transducin Repeat-containing Protein (Î²-TrCP)-mediated Polyubiquitination and Degradation of the Surfactant Enzyme Acyl-CoA:Lysophosphatidylcholine Acyltransferase I (LPCAT1). Journal of Biological Chemistry, 2011, 286, 2719-2727.	3.4	38
36	Ubiquitin carboxyl-terminal hydrolase-L5 promotes TGFÎ²-1 signaling by de-ubiquitinating and stabilizing Smad2/Smad3 in pulmonary fibrosis. Scientific Reports, 2016, 6, 33116.	3.3	37

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37	Regulation of the ubiquitylation and deubiquitylation of CREB-binding protein modulates histone acetylation and lung inflammation. Science Signaling, 2017, 10, .	3.6	33
38	Integrin signalling regulates the nuclear localization and function of the lysophosphatidic acid receptor-1 (LPA1) in mammalian cells. Biochemical Journal, 2006, 398, 55-62.	3.7	32
39	Extracellular Signal-regulated Kinase (ERK) Regulates Cortactin Ubiquitination and Degradation in Lung Epithelial Cells. Journal of Biological Chemistry, 2012, 287, 19105-19114.	3.4	32
40	Red Blood Cells Store and Release Interleukin-33. Journal of Investigative Medicine, 2015, 63, 806-810.	1.6	30
41	Lysophosphatidic acid modulates c-Met redistribution and hepatocyte growth factor/c-Met signaling in human bronchial epithelial cells through PKC Î´ and E-cadherin. Cellular Signalling, 2007, 19, 2329-2338.	3.6	29
42	Phosphorylated E2F1 is stabilized by nuclear USP11 to drive Peg10 gene expression and activate lung epithelial cells. Journal of Molecular Cell Biology, 2018, 10, 60-73.	3.3	29
43	The deubiquitinating enzyme USP48 stabilizes TRAF2 and reduces Eâ€cadherinâ€mediated adherens junctions. FASEB Journal, 2018, 32, 230-242.	0.5	28
44	Interleukin-33 and its Receptor in Pulmonary Inflammatory Diseases. Critical Reviews in Immunology, 2015, 35, 451-461.	0.5	27
45	Ubiquitinâ€specific protease 14 is a new therapeutic target for the treatment of diseases. Journal of Cellular Physiology, 2021, 236, 3396-3405.	4.1	27
46	TRIM21 Mitigates Human Lung Microvascular Endothelial Cellsâ€™ Inflammatory Responses to LPS. American Journal of Respiratory Cell and Molecular Biology, 2019, 61, 776-785.	2.9	26
47	Ubiquitination and deubiquitination emerge as players in idiopathic pulmonary fibrosis pathogenesis and treatment. JCI Insight, 2018, 3, .	5.0	26
48	Glycogen Synthase Kinase-3Î² Stabilizes the Interleukin (IL)-22 Receptor from Proteasomal Degradation in Murine Lung Epithelia. Journal of Biological Chemistry, 2014, 289, 17610-17619.	3.4	25
49	Lysophosphatidic acid receptor 1 antagonist ki16425 blunts abdominal and systemic inflammation in a mouse model of peritoneal sepsis. Translational Research, 2015, 166, 80-88.	5.0	25
50	SCFFBXO17 E3 ligase modulates inflammation by regulating proteasomal degradation of glycogen synthase kinase-3Î² in lung epithelia. Journal of Biological Chemistry, 2017, 292, 7452-7461.	3.4	25
51	The deubiquitinase USP13 stabilizes the anti-inflammatory receptor IL-1R8/Sigirr to suppress lung inflammation. EBioMedicine, 2019, 45, 553-562.	6.1	25
52	Destabilization of Lysophosphatidic Acid Receptor 1 Reduces Cytokine Release and Protects Against Lung Injury. EBioMedicine, 2016, 10, 195-203.	6.1	23
53	Lysophosphatidic acid increases soluble ST2 expression in mouse lung and human bronchial epithelial cells. Cellular Signalling, 2012, 24, 77-85.	3.6	22
54	Non-small cell lung cancer is susceptible to induction of DNA damage responses and inhibition of angiogenesis by telomere overhang oligonucleotides. Cancer Letters, 2014, 343, 14-23.	7.2	22

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55	FBXO17 promotes cell proliferation through activation of Akt in lung adenocarcinoma cells. Respiratory Research, 2018, 19, 206.	3.6	22
56	Serum starvation regulates E-cadherin upregulation via activation of c-Src in non-small-cell lung cancer A549 cells. American Journal of Physiology - Cell Physiology, 2014, 307, C893-C899.	4.6	21
57	Focal Adhesion Kinaseâ€"Mediated Activation of Glycogen Synthase Kinase 3Î² Regulates IL-33 Receptor Internalization and IL-33 Signaling. Journal of Immunology, 2015, 194, 795-802.	0.8	21
58	Biosynthesis of oxidized lipid mediators via lipoprotein-associated phospholipase A₂hydrolysis of extracellular cardiolipin induces endothelial toxicity. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2016, 311, L303-L316.	2.9	20
59	LPS impairs oxygen utilization in epithelia by triggering degradation of the mitochondrial enzyme Alcat1. Journal of Cell Science, 2016, 129, 51-64.	2.0	19
60	Noncanonical HIPPO/MST Signaling via BUB3 and FOXO Drives Pulmonary Vascular Cell Growth and Survival. Circulation Research, 2022, 130, 760-778.	4.5	19
61	Histone acetyltransferase CBP promotes function of SCF FBXL19 ubiquitin E3 ligase by acetylation and stabilization of its Fâ€box protein subunit. FASEB Journal, 2018, 32, 4284-4292.	0.5	16
62	Histone Deacetylase 2 (HDAC2) Protein-dependent Deacetylation of Mortality Factor 4-like 1 (MORF4L1) Protein Enhances Its Homodimerization. Journal of Biological Chemistry, 2014, 289, 7092-7098.	3.4	14
63	Emerging Role of Chinese Herbal Medicines in the Treatment of Pancreatic Fibrosis. The American Journal of Chinese Medicine, 2019, 47, 709-726.	3.8	14
64	Cigarette smoke exposure enhances transforming acidic coiled-coilâ€"containing protein 2 turnover and thereby promotes emphysema. JCI Insight, 2020, 5, .	5.0	13
65	Lipopolysaccharide-induced phosphorylation of c-Met tyrosine residue 1003 regulates c-Met intracellular trafficking and lung epithelial barrier function. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2013, 305, L56-L63.	2.9	12
66	Two distinct E3 ligases, SCF^{FBXL19}and HECW1, degrade thyroid transcription factor 1 in normal thyroid epithelial and follicular thyroid carcinoma cells, respectively. FASEB Journal, 2019, 33, 10538-10550.	0.5	11
67	PV1: Gatekeeper of Endothelial Permeability. American Journal of Respiratory Cell and Molecular Biology, 2020, 63, 413-414.	2.9	11
68	NOX4 Mediates Pseudomonas aeruginosa-Induced Nuclear Reactive Oxygen Species Generation and Chromatin Remodeling in Lung Epithelium. Antioxidants, 2021, 10, 477.	5.1	11
69	Molecular regulation of lysophosphatidic acid receptor 1 trafficking to the cell surface. Cellular Signalling, 2014, 26, 2406-2411.	3.6	10
70	Acute Lung Injury, Repair, and Remodeling: Pulmonary Endothelial and Epithelial Biology. Mediators of Inflammation, 2017, 2017, 1-2.	3.0	10
71	Cross-talk between lysophosphatidic acid receptor 1 and tropomyosin receptor kinase A promotes lung epithelial cell migration. Biochimica Et Biophysica Acta - Molecular Cell Research, 2016, 1863, 229-235.	4.1	9
72	Inhibition of Raf1 ameliorates bleomycin-induced pulmonary fibrosis through attenuation of TGF-Î²1 signaling. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2018, 315, L241-L247.	2.9	9

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73	The HECT ubiquitin E3 ligase Smurf2 degrades Î¼-opioid receptor 1 in the ubiquitin-proteasome system in lung epithelial cells. American Journal of Physiology - Cell Physiology, 2019, 316, C632-C640.	4.6	9
74	FOXO3a is stabilized by USP18-mediated de-ISGylation and inhibits TGF-Î²1-induced fibronectin expression. Journal of Investigative Medicine, 2020, 68, 786-791.	1.6	8
75	Lysophospholipids in Lung Inflammatory Diseases. Advances in Experimental Medicine and Biology, 2021, 1303, 373-391.	1.6	8
76	ILâ€37â€induced activation of glycogen synthase kinase 3Î² promotes ILâ€1R8/Sigirr phosphorylation, internalization, and degradation in lung epithelial cells. Journal of Cellular Physiology, 2021, 236, 5676-5685.	4.1	8
77	The E3 ubiquitin ligase HECW1 targets thyroid transcription factor 1 (TTF1/NKX2.1) for its degradation in the ubiquitin-proteasome system. Cellular Signalling, 2019, 58, 91-98.	3.6	7
78	Deubiquitinase USP13 promotes extracellular matrix expression by stabilizing Smad4 in lung fibroblast cells. Translational Research, 2020, 223, 15-24.	5.0	7
79	SCF FBXW17 E3 ubiquitin ligase regulates FBXL19 stability and cell migration. Journal of Cellular Biochemistry, 2021, 122, 326-334.	2.6	6
80	Lipopolysaccharide reduces USP13 stability through câ€jun Nâ€terminal kinase activation in Kupffer cells. Journal of Cellular Physiology, 2021, 236, 4360-4368.	4.1	5
81	Preventing Glutaminolysis: A Potential Therapy for Pulmonary Fibrosis. American Journal of Respiratory Cell and Molecular Biology, 2019, 61, 408-409.	2.9	4
82	A blocking peptide stabilizes lysophosphatidic acid receptor 1 and promotes lysophosphatidic acidâ€induced cellular responses. Journal of Cellular Biochemistry, 2021, 122, 827-834.	2.6	4
83	Molecular Regulation of Lysophosphatidic Acid Receptor 1 Maturation and Desensitization. Cell Biochemistry and Biophysics, 2021, 79, 477-483.	1.8	3
84	Proteasome Inhibitors Diminish c-Met Expression and Induce Cell Death in Non-Small Cell Lung Cancer Cells. Oncology Research, 2020, 28, 497-507.	1.5	3
85	In vitro evaluation of lysophosphatidic acid delivery via reverse perfluorocarbon emulsions to enhance alveolar epithelial repair. Colloids and Surfaces B: Biointerfaces, 2018, 169, 411-417.	5.0	2
86	USP13 Deficiency Aggravates Cigarette-smoke-induced Alveolar Space Enlargement. Cell Biochemistry and Biophysics, 2021, 79, 485-491.	1.8	1
87	Sepsis by using Cecal Ligation and Single Puncture Causes Alveolar Space Enlargement in LPA2 Knockout Mice. Journal of Allergy & Therapy, 2012, 01, .	0.1	0
88	Molecular regulation of Gâ€proteinâ€coupled receptor, lysophosphatidic acid receptor 1, trafficking to the cell surface.. FASEB Journal, 2015, 29, 882.7.	0.5	0