Jian Wang

List of Publications by Year in descending order

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46	2,014	236612	243296
papers	citations	25 h-index	44 g-index

48	48	48	1757
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Hypoxia Inducible Factor 1 Mediates Hypoxia-Induced TRPC Expression and Elevated Intracellular Ca 2+ in Pulmonary Arterial Smooth Muscle Cells. Circulation Research, 2006, 98, 1528-1537.	2.0	321
2	Capacitative calcium entry and TRPC channel proteins are expressed in rat distal pulmonary arterial smooth muscle. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2004, 286, L848-L858.	1.3	168
3	Endothelial HIF-2Î± Contributes to Severe Pulmonary Hypertension by Inducing Endothelial-to-Mesenchymal Transition. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2018, 314, ajplung.00096.2.	1.3	121
4	Acute hypoxia increases intracellular [Ca2+] in pulmonary arterial smooth muscle by enhancing capacitative Ca2+ entry. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2005, 288, L1059-L1069.	1.3	119
5	Differences in STIM1 and TRPC expression in proximal and distal pulmonary arterial smooth muscle are associated with differences in Ca²⁺responses to hypoxia. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2008, 295, L104-L113.	1.3	116
6	Inhibition of hypoxic pulmonary vasoconstriction by antagonists of store-operated Ca2+ and nonselective cation channels. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2005, 289, L5-L13.	1.3	105
7	Knockdown of stromal interaction molecule 1 attenuates store-operated Ca²⁺ entry and Ca²⁺ responses to acute hypoxia in pulmonary arterial smooth muscle. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2009, 297, L17-L25.	1.3	70
8	Sildenafil inhibits chronically hypoxic upregulation of canonical transient receptor potential expression in rat pulmonary arterial smooth muscle. American Journal of Physiology - Cell Physiology, 2010, 298, C114-C123.	2.1	56
9	Sodium Tanshinone IIA Sulfonate Inhibits Canonical Transient Receptor Potential Expression in Pulmonary Arterial Smooth Muscle from Pulmonary Hypertensive Rats. American Journal of Respiratory Cell and Molecular Biology, 2013, 48, 125-134.	1.4	56
10	Ca2+Channels and Chronic Hypoxia. Microcirculation, 2006, 13, 657-670.	1.0	51
11	Sildenafil Inhibits Hypoxia-Induced Transient Receptor Potential Canonical Protein Expression in Pulmonary Arterial Smooth Muscle via cGMP-PKG-PPARÎ³ Axis. American Journal of Respiratory Cell and Molecular Biology, 2013, 49, 231-240.	1.4	47
12	Loss of DP1 Aggravates Vascular Remodeling in Pulmonary Arterial Hypertension via mTORC1 Signaling. American Journal of Respiratory and Critical Care Medicine, 2020, 201, 1263-1276.	2.5	47
13	STIM2 (Stromal Interaction Molecule 2)â€“Mediated Increase in Resting Cytosolic Free Ca ²⁺ Concentration Stimulates PASMC Proliferation in Pulmonary Arterial Hypertension. Hypertension, 2018, 71, 518-529.	1.3	45
14	Upregulation of Piezo1 (Piezo Type Mechanosensitive Ion Channel Component 1) Enhances the Intracellular Free Calcium in Pulmonary Arterial Smooth Muscle Cells From Idiopathic Pulmonary Arterial Hypertension Patients. Hypertension, 2021, 77, 1974-1989.	1.3	42
15	Divergent changes of p53 in pulmonary arterial endothelial and smooth muscle cells involved in the development of pulmonary hypertension. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2019, 316, L216-L228.	1.3	41
16	Aquaporin 1-mediated changes in pulmonary arterial smooth muscle cell migration and proliferation involve Î²-catenin. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2017, 313, L889-L898.	1.3	40
17	Comparison and evaluation of two different methods to establish the cigarette smoke exposure mouse model of COPD. Scientific Reports, 2017, 7, 15454.	1.6	38
18	Chloroquine is a potent pulmonary vasodilator that attenuates hypoxiaâ€induced pulmonary hypertension. British Journal of Pharmacology, 2017, 174, 4155-4172.	2.7	37

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19	Orai1, 2, 3 and STIM1 promote store-operated calcium entry in pulmonary arterial smooth muscle cells. Cell Death Discovery, 2017, 3, 17074.	2.0	36
20	Resveratrol inhibits monocrotaline-induced pulmonary arterial remodeling by suppression of SphK1-mediated NF-Î²B activation. Life Sciences, 2018, 210, 140-149.	2.0	36
21	Tetramethylpyrazine: A promising drug for the treatment of pulmonary hypertension. British Journal of Pharmacology, 2020, 177, 2743-2764.	2.7	36
22	BMP4 Increases Canonical Transient Receptor Potential Protein Expression by Activating p38 MAPK and ERK1/2 Signaling Pathways in Pulmonary Arterial Smooth Muscle Cells. American Journal of Respiratory Cell and Molecular Biology, 2013, 49, 212-220.	1.4	31
23	Effects of chronic exposure to cigarette smoke on canonical transient receptor potential expression in rat pulmonary arterial smooth muscle. American Journal of Physiology - Cell Physiology, 2014, 306, C364-C373.	2.1	31
24	Bone morphogenetic protein 2 decreases TRPC expression, store-operated Ca²⁺ entry, and basal [Ca²⁺]_i in rat distal pulmonary arterial smooth muscle cells. American Journal of Physiology - Cell Physiology, 2013, 304, C833-C843.	2.1	30
25	Endothelial upregulation of mechanosensitive channel Piezo1 in pulmonary hypertension. American Journal of Physiology - Cell Physiology, 2021, 321, C1010-C1027.	2.1	29
26	Dysregulation of BMP9/BMPR2/SMAD signalling pathway contributes to pulmonary fibrosis and pulmonary hypertension induced by bleomycin in rats. British Journal of Pharmacology, 2021, 178, 203-216.	2.7	28
27	Altered Airway Microbiota Composition in Patients With Pulmonary Hypertension. Hypertension, 2020, 76, 1589-1599.	1.3	27
28	Efficacy and safety of Bufei Huoxue capsules in the management of convalescent patients with COVID-19 infection: A multicentre, double-blind, and randomised controlled trial. Journal of Ethnopharmacology, 2022, 284, 114830.	2.0	26
29	Gut Microbial Metabolite Trimethylamine N-Oxide Aggravates Pulmonary Hypertension. American Journal of Respiratory Cell and Molecular Biology, 2022, 66, 452-460.	1.4	26
30	Peroxisome Proliferatorâ€“Activated Receptor Î³â€“Mediated Inhibition on Hypoxia-Triggered Store-Operated Calcium Entry. A Caveolin-1â€“Dependent Mechanism. American Journal of Respiratory Cell and Molecular Biology, 2015, 53, 882-892.	1.4	25
31	Ca²⁺ responses of pulmonary arterial myocytes to acute hypoxia require release from ryanodine and inositol trisphosphate receptors in sarcoplasmic reticulum. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2012, 303, L161-L168.	1.3	22
32	Resolvin E1 Attenuates Pulmonary Hypertension by Suppressing Wnt7a/Î²-Catenin Signaling. Hypertension, 2021, 78, 1914-1926.	1.3	20
33	A Functional Variant rs6435156C>T in BMPR2 is Associated With Increased Risk of Chronic Obstructive Pulmonary Disease (COPD) in Southern Chinese Population. EBioMedicine, 2016, 5, 167-174.	2.7	15
34	Established pulmonary hypertension in rats was reversed by a combination of a HIFâ€2Î± antagonist and a p53 agonist. British Journal of Pharmacology, 2022, 179, 1065-1081.	2.7	13
35	Mitomycin C induces pulmonary vascular endothelialâ€toâ€mesenchymal transition and pulmonary venoâ€occlusive disease via Smad3â€dependent pathway in rats. British Journal of Pharmacology, 2021, 178, 217-235.	2.7	11
36	Pharmacological activation of PPARÎ³ inhibits hypoxia-induced proliferation through a caveolin-1-targeted and -dependent mechanism in PASMCs. American Journal of Physiology - Cell Physiology, 2018, 314, C428-C438.	2.1	10

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37	Bone morphogenetic protein signalling in pulmonary hypertension: advances and therapeutic implications. Experimental Physiology, 2017, 102, 1083-1089.	0.9	7
38	Establishment and evaluation of chronic obstructive pulmonary disease model by chronic exposure to motor vehicle exhaust combined with lipopolysaccharide instillation. Experimental Physiology, 2018, 103, 1532-1542.	0.9	7
39	A novel rat model of pulmonary hypertension induced by mono treatment with SU5416. Hypertension Research, 2020, 43, 754-764.	1.5	7
40	Potential biomarkers and therapeutic targets of idiopathic pulmonary arterial hypertension. Physiological Reports, 2022, 10, e15101.	0.7	5
41	Natural ingredients from Chinese materia medica for pulmonary hypertension. Chinese Journal of Natural Medicines, 2021, 19, 801-814.	0.7	4
42	Pathogenic role of ion channels in pulmonary arterial hypertension. Experimental Physiology, 2017, 102, 1075-1077.	0.9	3
43	The causality between CFTR and pulmonary hypertension: insights from Mendelian randomization studies. Hypertension Research, 2021, 44, 1230-1232.	1.5	3
44	Efficacy and Safety of Rivaroxaban versus Warfarin for the Treatment of Acute Pulmonary Embolism: A Real-World Study. Analytical Cellular Pathology, 2020, 2020, 1-7.	0.7	2
45	Bufei huoxue capsules in the management of convalescent COVID-19 infection: study protocol for a multicenter, double-blind, and randomized controlled trial. Pulmonary Circulation, 2021, 11, 204589402110321.	0.8	2
46	Visibility, wind speed, and dew point temperature are important factors in SARSâ€CoVâ€2 transmissibility. Pulmonary Circulation, 2022, 12, e12081.	0.8	2