Kai Yang

List of Publications by Year
in descending order

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59	1,051	361045	476904
papers	citations	20	29
		h-index	g-index

68	68	68	1430
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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
2	Hypoxia inducible factor-1-dependent up-regulation of BMP4 mediates hypoxia-induced increase of TRPC expression in PASMCs. Cardiovascular Research, 2015, 107, 108-118.	1.8	56
3	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
4	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
5	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
6	Non-homologous end joining: advances and frontiers. Acta Biochimica Et Biophysica Sinica, 2016, 48, 632-640.	0.9	39
7	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
8	Tetramethylpyrazine: A promising drug for the treatment of pulmonary hypertension. British Journal of Pharmacology, 2020, 177, 2743-2764.	2.7	36
9	BMP4 Increases the Expression of TRPC and Basal [Ca2+]i via the p38MAPK and ERK1/2 Pathways Independent of BMPRII in PASMCs. PLoS ONE, 2014, 9, e112695.	1.1	32
10	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
11	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
12	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
13	Phenylethyl isothiocyanate reverses cisplatin resistance in biliary tract cancer cells via glutathionylation-dependent degradation of Mcl-1. Oncotarget, 2016, 7, 10271-10282.	0.8	29
14	Sodium tanshinone IIA sulfonate inhibits hypoxia-induced enhancement of SOCE in pulmonary arterial smooth muscle cells via the PKG-PPAR-Î³ signaling axis. American Journal of Physiology - Cell Physiology, 2016, 311, C136-C149.	2.1	28
15	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
16	Altered Airway Microbiota Composition in Patients With Pulmonary Hypertension. Hypertension, 2020, 76, 1589-1599.	1.3	27
17	Peroxisome proliferator-activated receptor Î³ inhibits pulmonary hypertension targeting store-operated calcium entry. Journal of Molecular Medicine, 2015, 93, 327-342.	1.7	26
18	Gut Microbial Metabolite Trimethylamine N-Oxide Aggravates Pulmonary Hypertension. American Journal of Respiratory Cell and Molecular Biology, 2022, 66, 452-460.	1.4	26

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19	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
20	A Systematic Review and Meta-analysis of Free-style Flaps: Risk Analysis of Complications. Plastic and Reconstructive Surgery - Global Open, 2018, 6, e1651.	0.3	25
21	Factors Leading to Self-Removal from the Bariatric Surgery Program After Attending the Orientation Session. Obesity Surgery, 2017, 27, 102-109.	1.1	23
22	Proteomic Analysis Reveals that Proteasome Subunit Beta 6 Is Involved in Hypoxia-Induced Pulmonary Vascular Remodeling in Rats. PLoS ONE, 2013, 8, e67942.	1.1	22
23	NOX4 Mediates BMP4-Induced Upregulation of TRPC1 and 6 Protein Expressions in Distal Pulmonary Arterial Smooth Muscle Cells. PLoS ONE, 2014, 9, e107135.	1.1	22
24	Clinical characteristics and risk factors of pulmonary hypertension associated with chronic respiratory diseases: a retrospective study. Journal of Thoracic Disease, 2016, 8, 350-358.	0.6	20
25	Bortezomib alleviates experimental pulmonary hypertension by regulating intracellular calcium homeostasis in PASMCs. American Journal of Physiology - Cell Physiology, 2016, 311, C482-C497.	2.1	20
26	Noggin inhibits hypoxia-induced proliferation by targeting store-operated calcium entry and transient receptor potential cation channels. American Journal of Physiology - Cell Physiology, 2015, 308, C869-C878.	2.1	19
27	Chronic Hypoxia Increases TRPC6 Expression and Basal Intracellular Ca2+ Concentration in Rat Distal Pulmonary Venous Smooth Muscle. PLoS ONE, 2014, 9, e112007.	1.1	18
28	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
29	Upregulation of canonical transient receptor potential channel in the pulmonary arterial smooth muscle of a chronic thromboembolic pulmonary hypertension rat model. Hypertension Research, 2015, 38, 821-828.	1.5	14
30	Transplantation of Mesenchymal Stem Cells Attenuates Pulmonary Hypertension by Normalizing the Endothelial-to-Mesenchymal Transition. American Journal of Respiratory Cell and Molecular Biology, 2020, 62, 49-60.	1.4	14
31	Combinatorial analyses reveal cellular composition changes have different impacts on transcriptomic changes of cell type specific genes in Alzheimerâ€™s Disease. Scientific Reports, 2021, 11, 353.	1.6	13
32	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
33	A novel tanshinone IIA/chitosan solid dispersion: Preparation, characterization and cytotoxicity evaluation. Journal of Drug Delivery Science and Technology, 2019, 49, 260-267.	1.4	11
34	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
35	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
36	Risk factors for colorectal cancer in man induce aberrant crypt foci in rats: Preliminary findings. Nutrition and Cancer, 2016, 68, 94-104.	0.9	8

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37	Study Design and Interim Outcomes of Guangzhou Institute of Respiratory Disease COPD Biobank. COPD: Journal of Chronic Obstructive Pulmonary Disease, 2016, 13, 203-213.	0.7	8
38	Cardiovascular parameters of chest <scp>CT</scp> scan in estimating pulmonary arterial pressure in patients with pulmonary hypertension. Clinical Respiratory Journal, 2018, 12, 572-579.	0.6	8
39	Non-inflammatory emphysema induced by NO2 chronic exposure and intervention with demethylation 5-Azacytidine. Life Sciences, 2019, 221, 121-129.	2.0	8
40	Bone morphogenetic protein signalling in pulmonary hypertension: advances and therapeutic implications. Experimental Physiology, 2017, 102, 1083-1089.	0.9	7
41	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
42	A novel rat model of pulmonary hypertension induced by mono treatment with SU5416. Hypertension Research, 2020, 43, 754-764.	1.5	7
43	Structural and functional definition of the pulmonary vein system in a chronic hypoxia-induced pulmonary hypertension rat model. American Journal of Physiology - Cell Physiology, 2020, 318, C555-C569.	2.1	7
44	NEDD9, a Hypoxia-upregulated Mediator for Pathogenic Plateletâ€“Endothelial Cell Interaction in Pulmonary Hypertension. American Journal of Respiratory and Critical Care Medicine, 2021, 203, 1455-1458.	2.5	7
45	Genetic Variants in the Hedgehog Interacting Protein Gene Are Associated with the FEV1/FVC Ratio in Southern Han Chinese Subjects with Chronic Obstructive Pulmonary Disease. BioMed Research International, 2017, 2017, 1-10.	0.9	6
46	Efficacy and Safety of Subcutaneous Temporal Autologous Micro-fat Augmentation. Aesthetic Plastic Surgery, 2020, 44, 2098-2106.	0.5	6
47	Operating microscope with near infrared imaging function for indocyanine green lymphography in prevention of lymphedema with lymphaticovenous anastomosis immediately after mastectomy and axillary dissection. Microsurgery, 2017, 37, 354-355.	0.6	5
48	Mutual Inhibitory Mechanisms between PPARÎ³ and Hif-1Î±: Implication in Pulmonary Hypertension. Receptors & Clinical Investigation, 2015, 2, e626.	0.9	5
49	Sodium tanshinone IIA sulfonate enhances the BMP9-BMPR2-Smad1/5/9 signaling pathway in rat pulmonary microvascular endothelial cells and human embryonic stem cellâ€“derived endothelial cells. Biochemical Pharmacology, 2022, 199, 114986.	2.0	5
50	Improving the in vivo bioavailability and in vitro anti-inflammatory activity of tanshinone IIA by alginate solid dispersion. Journal of Drug Delivery Science and Technology, 2020, 60, 101966.	1.4	4
51	Natural ingredients from Chinese materia medica for pulmonary hypertension. Chinese Journal of Natural Medicines, 2021, 19, 801-814.	0.7	4
52	The causality between CFTR and pulmonary hypertension: insights from Mendelian randomization studies. Hypertension Research, 2021, 44, 1230-1232.	1.5	3
53	Urinary mycobacterium avium presenting as sterile pyuria. Canadian Urological Association Journal, 2016, 10, 186.	0.3	2
54	Primary clinical application of microsurgical arterial, venous and supermicrosurgical lymphovenous anastomoses performed using three-dimensional on-screen visualization. Journal of Plastic, Reconstructive and Aesthetic Surgery, 2020, 73, 391-407.	0.5	2

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55	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
56	Response to Michiel Alexander de Raaf et al.. Hypertension Research, 2021, 44, 475-476.	1.5	1
57	Development and Validation of a Novel Prediction Nomogram for Patients With Chronic Obstructive Pulmonary Disease and Concurrent Pulmonary Hypertension. SSRN Electronic Journal, 0, , .	0.4	0
58	CFTR and risk of pulmonary arterial hypertension: a case report and mendelian randomization study. , 2020, , .		0
59	Gut microbiota and pulmonary hypertension:a Mendelian randomization study. , 2020, , .		0