

Akylbek S Sydykov

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

54
papers

2,459
citations

20
h-index

49
g-index

78
ext. papers

2,861
ext. citations

7.4
avg, IF

4.01
L-index

#	Paper	IF	Citations
54	Reversal of experimental pulmonary hypertension by PDGF inhibition. <i>Journal of Clinical Investigation</i> , 2005 , 115, 2811-21	15.9	764
53	Sildenafil inhibits hypoxia-induced pulmonary hypertension. <i>Circulation</i> , 2001 , 104, 424-8	16.7	406
52	Inducible NOS inhibition reverses tobacco-smoke-induced emphysema and pulmonary hypertension in mice. <i>Cell</i> , 2011 , 147, 293-305	56.2	226
51	Activation of TRPC6 channels is essential for lung ischaemia-reperfusion induced oedema in mice. <i>Nature Communications</i> , 2012 , 3, 649	17.4	137
50	Characterization of high-altitude pulmonary hypertension in the Kyrgyz: association with angiotensin-converting enzyme genotype. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2002 , 166, 1396-402	10.2	93
49	Effects of Multikinase inhibitors on pressure overload-induced right ventricular remodelling. <i>Journal of Inflammation</i> , 2013 , 10, P37	6.7	78
48	sGC activators and stimulators attenuate ischemia/reperfusion injury of the lung. <i>BMC Pharmacology</i> , 2009 , 9,		78
47	Mitochondrial Complex IV Subunit 4 Isoform 2 Is Essential for Acute Pulmonary Oxygen Sensing. <i>Circulation Research</i> , 2017 , 121, 424-438	15.7	58
46	Mitochondrial hyperpolarization in pulmonary vascular remodeling. Mitochondrial uncoupling protein deficiency as disease model. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2013 , 49, 358-67	5.7	50
45	Anti-human neutrophil antigen-3a induced transfusion-related acute lung injury in mice by direct disturbance of lung endothelial cells. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2013 , 33, 2538-48	8.4	46
44	Therapeutic efficacy of azaindole-1 in experimental pulmonary hypertension. <i>European Respiratory Journal</i> , 2010 , 36, 808-18	13.6	43
43	Pressure overload leads to an increased accumulation and activity of mast cells in the right ventricle. <i>Physiological Reports</i> , 2017 , 5, e13146	2.6	30
42	Impact of the mitochondria-targeted antioxidant MitoQ on hypoxia-induced pulmonary hypertension. <i>European Respiratory Journal</i> , 2018 ,	13.6	30
41	Effects of multikinase inhibitors on pressure overload-induced right ventricular remodeling. <i>International Journal of Cardiology</i> , 2013 , 167, 2630-7	3.2	29
40	The Role of Transient Receptor Potential Channel 6 Channels in the Pulmonary Vasculature. <i>Frontiers in Immunology</i> , 2017 , 8, 707	8.4	29
39	Pressure Overload Creates Right Ventricular Diastolic Dysfunction in a Mouse Model: Assessment by Echocardiography. <i>Journal of the American Society of Echocardiography</i> , 2015 , 28, 828-43	5.8	28
38	Detection of reactive oxygen species in isolated, perfused lungs by electron spin resonance spectroscopy. <i>Respiratory Research</i> , 2005 , 6, 86	7.3	27

37	Inflammatory Mediators Drive Adverse Right Ventricular Remodeling and Dysfunction and Serve as Potential Biomarkers. <i>Frontiers in Physiology</i> , 2018 , 9, 609	4.6	26
36	Effects of intermittent exposure to high altitude on pulmonary hemodynamics: a prospective study. <i>High Altitude Medicine and Biology</i> , 2003 , 4, 455-63	1.9	22
35	Right Ventricular Remodeling and Dysfunction in Obstructive Sleep Apnea: A Systematic Review of the Literature and Meta-Analysis. <i>Canadian Respiratory Journal</i> , 2017 , 2017, 1587865	2.1	21
34	Soluble guanylate cyclase stimulator riociguat and phosphodiesterase 5 inhibitor sildenafil ameliorate pulmonary hypertension due to left heart disease in mice. <i>International Journal of Cardiology</i> , 2016 , 216, 85-91	3.2	20
33	The peroxisome proliferator-activated receptor γ agonist GW0742 has direct protective effects on right heart hypertrophy. <i>Pulmonary Circulation</i> , 2013 , 3, 926-35	2.7	18
32	Bypassing mitochondrial complex III using alternative oxidase inhibits acute pulmonary oxygen sensing. <i>Science Advances</i> , 2020 , 6, eaba0694	14.3	18
31	Impact of S-adenosylmethionine decarboxylase 1 on pulmonary vascular remodeling. <i>Circulation</i> , 2014 , 129, 1510-23	16.7	17
30	Novel soluble guanylyl cyclase stimulator BAY 41-2272 attenuates ischemia-reperfusion-induced lung injury. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2009 , 296, L462-9	5.8	17
29	Therapeutic efficacy of TBC3711 in monocrotaline-induced pulmonary hypertension. <i>Respiratory Research</i> , 2011 , 12, 87	7.3	16
28	FHL-1 is not involved in pressure overload-induced maladaptive right ventricular remodeling and dysfunction. <i>Basic Research in Cardiology</i> , 2020 , 115, 17	11.8	14
27	Lung Ischaemia-Reperfusion Injury: The Role of Reactive Oxygen Species. <i>Advances in Experimental Medicine and Biology</i> , 2017 , 967, 195-225	3.6	13
26	Protection against pressure overload-induced right heart failure by uncoupling protein 2 silencing. <i>Cardiovascular Research</i> , 2019 , 115, 1217-1227	9.9	12
25	Hemoglobin Changes After Long-Term Intermittent Work at High Altitude. <i>Frontiers in Physiology</i> , 2018 , 9, 1552	4.6	11
24	Depletion of Bone Marrow-Derived Fibrocytes Attenuates TAA-Induced Liver Fibrosis in Mice. <i>Cells</i> , 2019 , 8,	7.9	9
23	Enhanced circulating levels of CD3 cells-derived extracellular vesicles in different forms of pulmonary hypertension. <i>Pulmonary Circulation</i> , 2019 , 9, 2045894019864357	2.7	7
22	Cardiomyocytes-specific deletion of monoamine oxidase B reduces irreversible myocardial ischemia/reperfusion injury. <i>Free Radical Biology and Medicine</i> , 2021 , 165, 14-23	7.8	7
21	Pulmonary Hypertension in Acute and Chronic High Altitude Maladaptation Disorders. <i>International Journal of Environmental Research and Public Health</i> , 2021 , 18,	4.6	7
20	High altitude pulmonary hypertension with severe right ventricular dysfunction. <i>International Journal of Cardiology</i> , 2013 , 168, e89-90	3.2	6

19	Chronic intratracheal application of the soluble guanylyl cyclase stimulator BAY 41-8543 ameliorates experimental pulmonary hypertension. <i>Oncotarget</i> , 2017 , 8, 29613-29624	3.3	6
18	Altered proteasome function in right ventricular hypertrophy. <i>Cardiovascular Research</i> , 2020 , 116, 406-415	4.5	5
17	Influence of gender in monocrotaline and chronic hypoxia induced pulmonary hypertension in obese rats and mice. <i>Respiratory Research</i> , 2020 , 21, 136	7.3	4
16	A Case of Subacute Infantile Mountain Sickness in a Kyrgyz Child. <i>High Altitude Medicine and Biology</i> , 2018 , 19, 208-210	1.9	4
15	Circulating Apoptotic Signals During Acute and Chronic Exposure to High Altitude in Kyrgyz Population. <i>Frontiers in Physiology</i> , 2019 , 10, 54	4.6	3
14	High Altitude Pulmonary Edema in a Mining Worker With an Abnormal Rise in Pulmonary Artery Pressure in Response to Acute Hypoxia Without Prior History of High Altitude Pulmonary Edema. <i>Wilderness and Environmental Medicine</i> , 2017 , 28, 234-238	1.4	3
13	Pulmonary Vascular Pressure Response to Acute Cold Exposure in Kyrgyz Highlanders. <i>High Altitude Medicine and Biology</i> , 2019 , 20, 375-382	1.9	2
12	Lack of Contribution of p66shc to Pressure Overload-Induced Right Heart Hypertrophy. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	2
11	Genetic Deletion of p66shc and/or Cyclophilin D Results in Decreased Pulmonary Vascular Tone. <i>Cardiovascular Research</i> , 2020 ,	9.9	2
10	Implication of in vivo circulating fibrocytes ablation in experimental pulmonary hypertension murine model. <i>British Journal of Pharmacology</i> , 2020 , 177, 2974-2990	8.6	2
9	A Case of Chronic Thromboembolic Pulmonary Hypertension in a High-Altitude Dweller. <i>High Altitude Medicine and Biology</i> , 2019 , 20, 303-306	1.9	2
8	Effects of macitentan and tadalafil monotherapy or their combination on the right ventricle and plasma metabolites in pulmonary hypertensive rats. <i>Pulmonary Circulation</i> , 2020 , 10, 2045894020947283	3.7	2
7	Genetic Deficiency and Pharmacological Stabilization of Mast Cells Ameliorate Pressure Overload-Induced Maladaptive Right Ventricular Remodeling in Mice. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	2
6	is a Promising Therapeutic Option for Treatment of Pulmonary Hypertension due to the Potent Anti-Proliferative and Vasorelaxant Properties. <i>Medicina (Lithuania)</i> , 2020 , 56,	3.1	1
5	An Exaggerated Rise in Pulmonary Artery Pressure in a High-Altitude Dweller during the Cold Season. <i>International Journal of Environmental Research and Public Health</i> , 2021 , 18,	4.6	1
4	PINK1-mediated Mitophagy Contributes to Pulmonary Vascular Remodeling in Pulmonary Hypertension. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2021 , 65, 226-228	5.7	1
3	An HSV-TK / valganciclovir mouse model enables the study of fibrocytes in liver fibrosis. <i>Journal of Hepatology</i> , 2020 , 73, S513-S514	13.4	
2	Right Ventricular Response to Acute Hypoxia Exposure: A Systematic Review.. <i>Frontiers in Physiology</i> , 2021 , 12, 786954	4.6	

- 1 Classical transient receptor potential channel 6 (TRPC6) is essential for ischemia-reperfusion injury of the lung. *FASEB Journal*, **2010**, 24, 591.2 0.9