

Friedrich Grimminger

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.

53
papers

2,397
citations

27
h-index

48
g-index

60
ext. papers

3,011
ext. citations

9.4
avg, IF

4.41
L-index

#	Paper	IF	Citations
53	Inhaled prostacyclin and iloprost in severe pulmonary hypertension secondary to lung fibrosis. <i>American Journal of Respiratory and Critical Care Medicine</i> , 1999 , 160, 600-7	10.2	300
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	Pro-proliferative and inflammatory signaling converge on FoxO1 transcription factor in pulmonary hypertension. <i>Nature Medicine</i> , 2014 , 20, 1289-300	50.5	183
50	The Giessen Pulmonary Hypertension Registry: Survival in pulmonary hypertension subgroups. <i>Journal of Heart and Lung Transplantation</i> , 2017 , 36, 957-967	5.8	138
49	Phenotypic characterization of alveolar monocyte recruitment in acute respiratory distress syndrome. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2000 , 279, L25-35	5.8	134
48	Macrophage and cancer cell cross-talk via CCR2 and CX3CR1 is a fundamental mechanism driving lung cancer. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2015 , 191, 437-47	10.2	121
47	Role of epidermal growth factor inhibition in experimental pulmonary hypertension. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2010 , 181, 158-67	10.2	99
46	Hypoxic vasoconstriction in intact lungs: a role for NADPH oxidase-derived H ₂ O ₂ ?. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2000 , 279, L683-90	5.8	75
45	Low-dose systemic phosphodiesterase inhibitors amplify the pulmonary vasodilatory response to inhaled prostacyclin in experimental pulmonary hypertension. <i>American Journal of Respiratory and Critical Care Medicine</i> , 1999 , 160, 1500-6	10.2	68
44	Immune and Inflammatory Cell Composition of Human Lung Cancer Stroma. <i>PLoS ONE</i> , 2015 , 10, e0139073	3.3	66
43	Novel and emerging therapies for pulmonary hypertension. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2014 , 189, 394-400	10.2	62
42	Stimulation of soluble guanylate cyclase prevents cigarette smoke-induced pulmonary hypertension and emphysema. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2014 , 189, 1359-73	10.2	59
41	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
40	Classical transient receptor potential channel 1 in hypoxia-induced pulmonary hypertension. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2013 , 188, 1451-9	10.2	58
39	NO and reactive oxygen species are involved in biphasic hypoxic vasoconstriction of isolated rabbit lungs. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2001 , 280, L638-45	5.8	53
38	FoxO3 an important player in fibrogenesis and therapeutic target for idiopathic pulmonary fibrosis. <i>EMBO Molecular Medicine</i> , 2018 , 10, 276-293	12	51
37	Lung cancer-associated pulmonary hypertension: Role of microenvironmental inflammation based on tumor cell-immune cell cross-talk. <i>Science Translational Medicine</i> , 2017 , 9,	17.5	50

36	Future perspectives for the treatment of pulmonary arterial hypertension. <i>Journal of the American College of Cardiology</i> , 2009 , 54, S108-S117	15.1	50
35	Coaerosolization of phosphodiesterase inhibitors markedly enhances the pulmonary vasodilatory response to inhaled iloprost in experimental pulmonary hypertension. Maintenance of lung selectivity. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2001 , 164, 1694-700	10.2	49
34	Microenvironmental Th9 and Th17 lymphocytes induce metastatic spreading in lung cancer. <i>Journal of Clinical Investigation</i> , 2020 , 130, 3560-3575	15.9	46
33	Macrophage and Tumor Cell Cross-Talk Is Fundamental for Lung Tumor Progression: We Need to Talk. <i>Frontiers in Oncology</i> , 2020 , 10, 324	5.3	37
32	Reprogramming of tumor-associated macrophages by targeting E-catenin/FOSL2/ARID5A signaling: A potential treatment of lung cancer. <i>Science Advances</i> , 2020 , 6, eaaz6105	14.3	35
31	A RASSF1A-HIF1 α loop drives Warburg effect in cancer and pulmonary hypertension. <i>Nature Communications</i> , 2019 , 10, 2130	17.4	34
30	Evidence for a role of protein kinase C in hypoxic pulmonary vasoconstriction. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 1999 , 276, L90-5	5.8	33
29	Severe organising pneumonia following COVID-19. <i>Thorax</i> , 2021 , 76, 201-204	7.3	31
28	Combination of nonspecific PDE inhibitors with inhaled prostacyclin in experimental pulmonary hypertension. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2001 , 281, L1361-8	5.8	30
27	Spatial Density and Distribution of Tumor-Associated Macrophages Predict Survival in Non-Small Cell Lung Carcinoma. <i>Cancer Research</i> , 2020 , 80, 4414-4425	10.1	27
26	Evidence for the Fucoidan/P-Selectin Axis as a Therapeutic Target in Hypoxia-induced Pulmonary Hypertension. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2019 , 199, 1407-1420	10.2	25
25	Urodilatin, a natriuretic peptide stimulating particulate guanylate cyclase, and the phosphodiesterase 5 inhibitor dipyridamole attenuate experimental pulmonary hypertension: synergism upon coapplication. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2001 , 25, 219-25	5.7	20
24	Nitro blue tetrazolium inhibits but does not mimic hypoxic vasoconstriction in isolated rabbit lungs. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 1998 , 274, L721-7	5.8	20
23	Alveolar epithelial barrier functions in ventilated perfused rabbit lungs. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2001 , 280, L896-904	5.8	19
22	Lipoteichoic acids from <i>Staphylococcus aureus</i> stimulate proliferation of human non-small-cell lung cancer cells in vitro. <i>Cancer Immunology, Immunotherapy</i> , 2017 , 66, 799-809	7.4	18
21	PAF-induced synthesis of tetraenoic and pentaenoic leukotrienes in the isolated rabbit lung. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2000 , 278, L268-75	5.8	16
20	Long-term safety and outcome of intravenous treprostinil via an implanted pump in pulmonary hypertension. <i>Journal of Heart and Lung Transplantation</i> , 2018 , 37, 1235-1244	5.8	16
19	Procedural safety of a fully implantable intravenous prostanoid pump for pulmonary hypertension. <i>Clinical Research in Cardiology</i> , 2017 , 106, 174-182	6.1	14

18	The PDE inhibitor zaprinast enhances NO-mediated protection against vascular leakage in reperfused lungs. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2000 , 279, L496-502	5.8	11
17	Metabolism in tumour-associated macrophages: a with the tumour microenvironment. <i>European Respiratory Review</i> , 2020 , 29,	9.8	10
16	Hypoxic Pulmonary Vasoconstriction Triggered by an Increase in Reactive Oxygen Species?. <i>Novartis Foundation Symposium</i> , 196-213		8
15	Use of fish oil to prevent graft rejection. <i>Proceedings of the Nutrition Society</i> , 1998 , 57, 577-85	2.9	7
14	Impairment of hypoxic pulmonary vasoconstriction in acute respiratory distress syndrome. <i>European Respiratory Review</i> , 2021 , 30,	9.8	6
13	NADPH oxidase subunit NOXO1 is a target for emphysema treatment in COPD. <i>Nature Metabolism</i> , 2020 , 2, 532-546	14.6	4
12	Epithelial cell plasticity defines heterogeneity in lung cancer. <i>Cellular Signalling</i> , 2020 , 65, 109463	4.9	4
11	Fibroblast Growth Factor-14 Acts as Tumor Suppressor in Lung Adenocarcinomas. <i>Cells</i> , 2020 , 9,	7.9	4
10	Right ventricular pressure-volume loop shape and systolic pressure change in pulmonary hypertension. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2021 , 320, L715-L725	5.8	4
9	Metastasis-Associated Protein 2 Represses NF-B to Reduce Lung Tumor Growth and Inflammation. <i>Cancer Research</i> , 2020 , 80, 4199-4211	10.1	3
8	Validity of echocardiographic tricuspid regurgitation gradient to screen for new definition of pulmonary hypertension. <i>EClinicalMedicine</i> , 2021 , 34, 100822	11.3	3
7	A novel non-invasive and echocardiography-derived method for quantification of right ventricular pressure-volume loops. <i>European Heart Journal Cardiovascular Imaging</i> , 2021 ,	4.1	3
6	Selexipag for the treatment of pulmonary arterial hypertension. <i>Expert Opinion on Pharmacotherapy</i> , 2016 , 17, 1825-34	4	2
5	Interferon Regulatory Factor 9 Promotes Lung Cancer Progression via Regulation of Versican. <i>Cancers</i> , 2021 , 13,	6.6	2
4	The effect of long-term doxycycline treatment in a mouse model of cigarette smoke-induced emphysema and pulmonary hypertension. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2021 , 320, L903-L915	5.8	1
3	TRAF2 Is a Novel Ubiquitin E3 Ligase for the Na,K-ATPase β Subunit That Drives Alveolar Epithelial Dysfunction in Hypercapnia. <i>Frontiers in Cell and Developmental Biology</i> , 2021 , 9, 689983	5.7	1
2	Hidden Treasures: Macrophage Long Non-Coding RNAs in Lung Cancer Progression. <i>Cancers</i> , 2021 , 13,	6.6	1
1	Deficiency of Axl aggravates pulmonary arterial hypertension via BMPR2. <i>Communications Biology</i> , 2021 , 4, 1002	6.7	

