Ardeschir Ghofrani

List of Publications by Year
in descending order

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510 papers	54,821 citations	2311 98 h-index	1489 219 g-index
580 all docs	580 docs citations	580 times ranked	25311 citing authors

#	Article	IF	Citations
1	2015 ESC/ERS Guidelines for the diagnosis and treatment of pulmonary hypertension. European Heart Journal, 2016, 37, 67-119.	1.0	5,074
2	Updated Clinical Classification of Pulmonary Hypertension. Journal of the American College of Cardiology, 2013, 62, D34-D41.	1.2	2,865
3	2015 ESC/ERS Guidelines for the diagnosis and treatment of pulmonary hypertension. European Respiratory Journal, 2015, 46, 903-975.	3.1	2,415
4	Sildenafil Citrate Therapy for Pulmonary Arterial Hypertension. New England Journal of Medicine, 2005, 353, 2148-2157.	13.9	2,237
5	Inhaled Iloprost for Severe Pulmonary Hypertension. New England Journal of Medicine, 2002, 347, 322-329.	13.9	1,626
6	Macitentan and Morbidity and Mortality in Pulmonary Arterial Hypertension. New England Journal of Medicine, 2013, 369, 809-818.	13.9	1,168
7	Riociguat for the Treatment of Chronic Thromboembolic Pulmonary Hypertension. New England Journal of Medicine, 2013, 369, 319-329.	13.9	1,144
8	Riociguat for the Treatment of Pulmonary Arterial Hypertension. New England Journal of Medicine, 2013, 369, 330-340.	13.9	1,120
9	Ambrisentan for the Treatment of Pulmonary Arterial Hypertension. Circulation, 2008, 117, 3010-3019.	1.6	967
10	Tadalafil Therapy for Pulmonary Arterial Hypertension. Circulation, 2009, 119, 2894-2903.	1.6	956
11	Reversal of experimental pulmonary hypertension by PDGF inhibition. Journal of Clinical Investigation, 2005, 115, 2811-2821.	3.9	917
12	Initial Use of Ambrisentan plus Tadalafil in Pulmonary Arterial Hypertension. New England Journal of Medicine, 2015, 373, 834-844.	13.9	906
13	Selexipag for the Treatment of Pulmonary Arterial Hypertension. New England Journal of Medicine, 2015, 373, 2522-2533.	13.9	790
14	Sildenafil for treatment of lung fibrosis and pulmonary hypertension: a randomised controlled trial. Lancet, The, 2002, 360, 895-900.	6.3	720
15	Chronic thromboembolic pulmonary hypertension. European Respiratory Journal, 2019, 53, 1801915.	3.1	607
16	Mechanisms of disease: pulmonary arterial hypertension. Nature Reviews Cardiology, 2011, 8, 443-455.	6.1	605
17	Bosentan for Treatment of Inoperable Chronic Thromboembolic Pulmonary Hypertension. Journal of the American College of Cardiology, 2008, 52, 2127-2134.	1.2	506
18	Complications of Right Heart Catheterization Procedures in Patients With Pulmonary Hypertension in Experienced Centers. Journal of the American College of Cardiology, 2006, 48, 2546-2552.	1.2	498

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19	Mortality in pulmonary arterial hypertension: prediction by the 2015 European pulmonary hypertension guidelines risk stratification model. European Respiratory Journal, 2017, 50, 1700740.	3.1	489
20	Imatinib Mesylate as Add-on Therapy for Pulmonary Arterial Hypertension. Circulation, 2013, 127, 1128-1138.	1.6	482
21	Sildenafil: from angina to erectile dysfunction to pulmonary hypertension and beyond. Nature Reviews Drug Discovery, 2006, 5, 689-702.	21.5	471
22	Updated Evidence-Based Treatment Algorithm in Pulmonary Arterial Hypertension. Journal of the American College of Cardiology, 2009, 54, S78-S84.	1.2	463
23	Combination Therapy with Oral Sildenafil and Inhaled Iloprost for Severe Pulmonary Hypertension. Annals of Internal Medicine, 2002, 136, 515.	2.0	446
24	Imatinib for the Treatment of Pulmonary Arterial Hypertension. New England Journal of Medicine, 2005, 353, 1412-1413.	13.9	440
25	Inhaled Prostacyclin and Iloprost in Severe Pulmonary Hypertension Secondary to Lung Fibrosis. American Journal of Respiratory and Critical Care Medicine, 1999, 160, 600-607.	2.5	369
26	Oral sildenafil as long-term adjunct therapy to inhaled iloprost in severe pulmonary arterial hypertension. Journal of the American College of Cardiology, 2003, 42, 158-164.	1.2	359
27	Elderly patients diagnosed with idiopathic pulmonary arterial hypertension: Results from the COMPERA registry. International Journal of Cardiology, 2013, 168, 871-880.	0.8	357
28	Aerosolized Prostacyclin and Iloprost in Severe Pulmonary Hypertension. Annals of Internal Medicine, 1996, 124, 820.	2.0	347
29	Imatinib in Pulmonary Arterial Hypertension Patients with Inadequate Response to Established Therapy. American Journal of Respiratory and Critical Care Medicine, 2010, 182, 1171-1177.	2.5	331
30	Hypoxia-Dependent Regulation of Nonphagocytic NADPH Oxidase Subunit NOX4 in the Pulmonary Vasculature. Circulation Research, 2007, 101, 258-267.	2.0	317
31	Anticoagulation and Survival in Pulmonary Arterial Hypertension. Circulation, 2014, 129, 57-65.	1.6	317
32	A comparison of the acute hemodynamic effects of inhaled nitric oxide and aerosolized iloprost in primary pulmonary hypertension. Journal of the American College of Cardiology, 2000, 35, 176-182.	1.2	296
33	Immune and Inflammatory Cell Involvement in the Pathology of Idiopathic Pulmonary Arterial Hypertension. American Journal of Respiratory and Critical Care Medicine, 2012, 186, 897-908.	2.5	296
34	Inducible NOS Inhibition Reverses Tobacco-Smoke-Induced Emphysema and Pulmonary Hypertension in Mice. Cell, 2011, 147, 293-305.	13.5	293
35	ERS statement on chronic thromboembolic pulmonary hypertension. European Respiratory Journal, 2021, 57, 2002828.	3.1	287
36	Riociguat for Patients With Pulmonary Hypertension Caused by Systolic Left Ventricular Dysfunction. Circulation, 2013, 128, 502-511.	1.6	286

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37	Identification of rare sequence variation underlying heritable pulmonary arterial hypertension. Nature Communications, 2018, 9, 1416.	5.8	279
38	Classical transient receptor potential channel 6 (TRPC6) is essential for hypoxic pulmonary vasoconstriction and alveolar gas exchange. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 19093-19098.	3.3	273
39	Sildenafil Increased Exercise Capacity during Hypoxia at Low Altitudes and at Mount Everest Base Camp. Annals of Internal Medicine, 2004, 141, 169.	2.0	271
40	Sildenafil for Long-Term Treatment of Nonoperable Chronic Thromboembolic Pulmonary Hypertension. American Journal of Respiratory and Critical Care Medicine, 2003, 167, 1139-1141.	2.5	265
41	Riociguat for the treatment of chronic thromboembolic pulmonary hypertension: a long-term extension study (CHEST-2). European Respiratory Journal, 2015, 45, 1293-1302.	3.1	247
42	Long-term Treatment With Sildenafil Citrate in Pulmonary Arterial Hypertension. Chest, 2011, 140, 1274-1283.	0.4	237
43	Chronic Sildenafil Treatment Inhibits Monocrotaline-induced Pulmonary Hypertension in Rats. American Journal of Respiratory and Critical Care Medicine, 2004, 169, 39-45.	2.5	230
44	Long-Term Ambrisentan Therapy for the Treatment of Pulmonary Arterial Hypertension. Journal of the American College of Cardiology, 2009, 54, 1971-1981.	1.2	227
45	Validation of the Tricuspid Annular Plane Systolic Excursion/Systolic Pulmonary Artery Pressure Ratio for the Assessment of Right Ventricular-Arterial Coupling in Severe Pulmonary Hypertension. Circulation: Cardiovascular Imaging, 2019, 12, e009047.	1.3	222
46	The Giessen Pulmonary Hypertension Registry: Survival in pulmonary hypertension subgroups. Journal of Heart and Lung Transplantation, 2017, 36, 957-967.	0.3	221
47	Expression and function of soluble guanylate cyclase in pulmonary arterial hypertension. European Respiratory Journal, 2008, 32, 881-891.	3.1	216
48	First acute haemodynamic study of soluble guanylate cyclase stimulator riociguat in pulmonary hypertension. European Respiratory Journal, 2009, 33, 785-792.	3.1	216
49	Riociguat for chronic thromboembolic pulmonary hypertension and pulmonary arterial hypertension: a phase II study. European Respiratory Journal, 2010, 36, 792-799.	3.1	212
50	2015 ESC/ERS Guidelines for the Diagnosis and Treatment of Pulmonary Hypertension. Revista Espanola De Cardiologia (English Ed), 2016, 69, 177.	0.4	210
51	Activation of Soluble Guanylate Cyclase Reverses Experimental Pulmonary Hypertension and Vascular Remodeling. Circulation, 2006, 113, 286-295.	1.6	208
52	Inhibition of MicroRNA-17 Improves Lung and Heart Function in Experimental Pulmonary Hypertension. American Journal of Respiratory and Critical Care Medicine, 2012, 185, 409-419.	2.5	206
53	Stress Doppler Echocardiography in Relatives of Patients With Idiopathic and Familial Pulmonary Arterial Hypertension. Circulation, 2009, 119, 1747-1757.	1.6	205
54	Macitentan for the treatment of inoperable chronic thromboembolic pulmonary hypertension (MERIT-1): results from the multicentre, phase 2, randomised, double-blind, placebo-controlled study. Lancet Respiratory Medicine,the, 2017, 5, 785-794.	5.2	201

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55	Sildenafil treatment for portopulmonary hypertension. European Respiratory Journal, 2006, 28, 563-567.	3.1	199
56	Safety and efficacy of exercise training in various forms of pulmonary hypertension. European Respiratory Journal, 2012, 40, 84-92.	3.1	199
57	Regulation of hypoxic pulmonary vasoconstriction: basic mechanisms. European Respiratory Journal, 2008, 32, 1639-1651.	3.1	184
58	Bosentan added to sildenafil therapy in patients with pulmonary arterial hypertension. European Respiratory Journal, 2015, 46, 405-413.	3.1	184
59	Upregulation of NAD(P)H oxidase 1 in hypoxia activates hypoxia-inducible factor 1 via increase in reactive oxygen species. Free Radical Biology and Medicine, 2004, 36, 1279-1288.	1.3	183
60	Balloon pulmonary angioplasty in chronic thromboembolic pulmonary hypertension. European Respiratory Review, 2017, 26, 160119.	3.0	183
61	Balloon pulmonary angioplasty for inoperable patients with chronic thromboembolic pulmonary hypertension: the initial German experience. European Respiratory Journal, 2017, 49, 1602409.	3.1	178
62	Riociguat for the treatment of pulmonary arterial hypertension: a long-term extension study (PATENT-2). European Respiratory Journal, 2015, 45, 1303-1313.	3.1	174
63	A Functional Single-Nucleotide Polymorphism in theTRPC6Gene Promoter Associated With Idiopathic Pulmonary Arterial Hypertension. Circulation, 2009, 119, 2313-2322.	1.6	173
64	Bronchoscopic surfactant administration in patients with severe adult respiratory distress syndrome and sepsis.. American Journal of Respiratory and Critical Care Medicine, 1996, 154, 57-62.	2.5	171
65	Vascular Receptor Autoantibodies in Pulmonary Arterial Hypertension Associated with Systemic Sclerosis. American Journal of Respiratory and Critical Care Medicine, 2014, 190, 808-817.	2.5	170
66	Long-term treatment with sildenafil in chronic thromboembolic pulmonary hypertension. European Respiratory Journal, 2007, 30, 922-927.	3.1	163
67	Activation of TRPC6 channels is essential for lung ischaemiaâ€“reperfusion induced oedema in mice. Nature Communications, 2012, 3, 649.	5.8	162
68	Increased levels and reduced catabolism of asymmetric and symmetric dimethylarginines in pulmonary hypertension. FASEB Journal, 2005, 19, 1175-1177.	0.2	158
69	Reserve of Right Ventricular-Arterial Coupling in the Setting of Chronic Overload. Circulation: Heart Failure, 2019, 12, e005512.	1.6	158
70	Relevance of the TAPSE/PASP ratio in pulmonary arterial hypertension. International Journal of Cardiology, 2018, 266, 229-235.	0.8	154
71	Reduced MicroRNA-150 Is Associated with Poor Survival in Pulmonary Arterial Hypertension. American Journal of Respiratory and Critical Care Medicine, 2013, 187, 294-302.	2.5	153
72	Effect of Exercise and Respiratory Training on Clinical Progression and Survival in Patients with Severe Chronic Pulmonary Hypertension. Respiration, 2011, 81, 394-401.	1.2	151

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73	Phosphodiesterase 1 Upregulation in Pulmonary Arterial Hypertension. Circulation, 2007, 115, 2331-2339.	1.6	139
74	Combined Tyrosine and Serine/Threonine Kinase Inhibition by Sorafenib Prevents Progression of Experimental Pulmonary Hypertension and Myocardial Remodeling. Circulation, 2008, 118, 2081-2090.	1.6	139
75	Favorable Effects of Inhaled Treprostinil in Severe Pulmonary Hypertension. Journal of the American College of Cardiology, 2006, 48, 1672-1681.	1.2	135
76	Initial combination therapy with ambrisentan and tadalafil in connective tissue disease-associated pulmonary arterial hypertension (CTD-PAH): subgroup analysis from the AMBITION trial. Annals of the Rheumatic Diseases, 2017, 76, 1219-1227.	0.5	135
77	Differences in hemodynamic and oxygenation responses to three different phosphodiesterase-5 inhibitors in patients with pulmonary arterial hypertension. Journal of the American College of Cardiology, 2004, 44, 1488-1496.	1.2	134
78	Nitric oxide pathway and phosphodiesterase inhibitors in pulmonary arterial hypertension. Journal of the American College of Cardiology, 2004, 43, S68-S72.	1.2	131
79	Predictors of long-term outcomes in patients treated with riociguat for chronic thromboembolic pulmonary hypertension: data from the CHEST-2 open-label, randomised, long-term extension trial. Lancet Respiratory Medicine,the, 2016, 4, 372-380.	5.2	130
80	Phosphodiesterase inhibitors for the treatment of pulmonary hypertension. European Respiratory Journal, 2008, 32, 198-209.	3.1	129
81	The molecular targets of approved treatments for pulmonary arterial hypertension. Thorax, 2016, 71, 73-83.	2.7	126
82	Pharmacodynamics and Pharmacokinetics of Inhaled Iloprost, Aerosolized by Three Different Devices, in Severe Pulmonary Hypertension. Chest, 2003, 124, 1294-1304.	0.4	124
83	Tadalafil for the Treatment of Pulmonary Arterial Hypertension. Journal of the American College of Cardiology, 2012, 60, 768-774.	1.2	124
84	COMPERA 2.0: a refined four-stratum risk assessment model for pulmonary arterial hypertension. European Respiratory Journal, 2022, 60, 2102311.	3.1	124
85	Targeting cancer with phosphodiesterase inhibitors. Expert Opinion on Investigational Drugs, 2010, 19, 117-131.	1.9	123
86	Genetic determinants of risk in pulmonary arterial hypertension: international genome-wide association studies and meta-analysis. Lancet Respiratory Medicine,the, 2019, 7, 227-238.	5.2	122
87	Prostacyclin and its analogues in the treatment of pulmonary hypertension. , 2004, 102, 139-153.		119
88	Targeting non-malignant disorders with tyrosine kinase inhibitors. Nature Reviews Drug Discovery, 2010, 9, 956-970.	21.5	118
89	Role of Epidermal Growth Factor Inhibition in Experimental Pulmonary Hypertension. American Journal of Respiratory and Critical Care Medicine, 2010, 181, 158-167.	2.5	118
90	New Trial Designs and Potential Therapies for Pulmonary Artery Hypertension. Journal of the American College of Cardiology, 2013, 62, D82-D91.	1.2	113

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91	RESPITE: switching to riociguat in pulmonary arterial hypertension patients with inadequate response to phosphodiesterase-5 inhibitors. European Respiratory Journal, 2017, 50, 1602425.	3.1	113
92	Simvastatin as a Treatment for Pulmonary Hypertension Trial. American Journal of Respiratory and Critical Care Medicine, 2010, 181, 1106-1113.	2.5	112
93	Role of Src Tyrosine Kinases in Experimental Pulmonary Hypertension. Arteriosclerosis, Thrombosis, and Vascular Biology, 2012, 32, 1354-1365.	1.1	108
94	Pathophysiology and Treatment of High-Altitude Pulmonary Vascular Disease. Circulation, 2015, 131, 582-590.	1.6	108
95	Riociguat for the treatment of pulmonary arterial hypertension associated with connective tissue disease: results from PATENT-1 and PATENT-2. Annals of the Rheumatic Diseases, 2017, 76, 422-426.	0.5	108
96	Current and future treatments of pulmonary arterial hypertension. British Journal of Pharmacology, 2021, 178, 6-30.	2.7	104
97	Long-term safety and efficacy of imatinib in pulmonary arterial hypertension. Journal of Heart and Lung Transplantation, 2015, 34, 1366-1375.	0.3	103
98	Ultrasonic versus jet nebulization of iloprost in severe pulmonary hypertension. European Respiratory Journal, 2001, 17, 14-19.	3.1	100
99	The Soluble Guanylate Cyclase Stimulator Riociguat Ameliorates Pulmonary Hypertension Induced by Hypoxia and SU5416 in Rats. PLoS ONE, 2012, 7, e43433.	1.1	100
100	Plasma proteome analysis in patients with pulmonary arterial hypertension: an observational cohort study. Lancet Respiratory Medicine,the, 2017, 5, 717-726.	5.2	99
101	Antiremodeling Effects of Iloprost and the Dual-Selective Phosphodiesterase 3/4 Inhibitor Tolafentrine in Chronic Experimental Pulmonary Hypertension. Circulation Research, 2004, 94, 1101-1108.	2.0	97
102	Pulmonary Vascular Disease in the Developing World. Circulation, 2008, 118, 1758-1766.	1.6	97
103	Predictors of long-term outcomes in patients treated with riociguat for pulmonary arterial hypertension: data from the PATENT-2 open-label, randomised, long-term extension trial. Lancet Respiratory Medicine,the, 2016, 4, 361-371.	5.2	97
104	Selexipag for the treatment of connective tissue disease-associated pulmonary arterial hypertension. European Respiratory Journal, 2017, 50, 1602493.	3.1	97
105	Tadalafil monotherapy and as add-on to background bosentan in patients with pulmonary arterial hypertension. Journal of Heart and Lung Transplantation, 2011, 30, 632-643.	0.3	95
106	Terguride ameliorates monocrotaline-induced pulmonary hypertension in rats. European Respiratory Journal, 2011, 37, 1104-1118.	3.1	93
107	Impact of Mitochondria and NADPH Oxidases on Acute and Sustained Hypoxic Pulmonary Vasoconstriction. American Journal of Respiratory Cell and Molecular Biology, 2006, 34, 505-513.	1.4	90
108	Uncertainties in the Diagnosis and Treatment of Pulmonary Arterial Hypertension. Circulation, 2008, 118, 1195-1201.	1.6	90

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109	Mitochondrial Complex IV Subunit 4 Isoform 2 Is Essential for Acute Pulmonary Oxygen Sensing. Circulation Research, 2017, 121, 424-438.	2.0	90
110	Notch1 signalling regulates endothelial proliferation and apoptosis in pulmonary arterial hypertension. European Respiratory Journal, 2016, 48, 1137-1149.	3.1	89
111	Hypoxic vasoconstriction in intact lungs: a role for NADPH oxidase-derived H₂O₂?. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2000, 279, L683-L690.	1.3	87
112	Riociguat for pulmonary arterial hypertension associated with congenital heart disease. Heart, 2015, 101, 1792-1799.	1.2	87
113	Pulmonary Hypertension. Deutsches Ärzteblatt International, 2017, 114, 73-84.	0.6	87
114	Switching to riociguat versus maintenance therapy with phosphodiesterase-5 inhibitors in patients with pulmonary arterial hypertension (REPLACE): a multicentre, open-label, randomised controlled trial. Lancet Respiratory Medicine,the, 2021, 9, 573-584.	5.2	85
115	Expression and Activity of Phosphodiesterase Isoforms during Epithelial Mesenchymal Transition: The Role of Phosphodiesterase 4. Molecular Biology of the Cell, 2009, 20, 4751-4765.	0.9	84
116	Long-term outcome with intravenous iloprost in pulmonary arterial hypertension. European Respiratory Journal, 2009, 34, 132-137.	3.1	83
117	Anxiety and depression disorders in patients with pulmonary arterial hypertension and chronic thromboembolic pulmonary hypertension. Respiratory Research, 2013, 14, 104.	1.4	83
118	Role of the Prostanoid EP4 Receptor in Iloprost-mediated Vasodilatation in Pulmonary Hypertension. American Journal of Respiratory and Critical Care Medicine, 2008, 178, 188-196.	2.5	82
119	Pulmonary Arterial Hypertension-Related Morbidity Is Prognostic for Mortality. Journal of the American College of Cardiology, 2018, 71, 752-763.	1.2	82
120	Congestive nephropathy: a neglected entity? Proposal for diagnostic criteria and future perspectives. ESC Heart Failure, 2021, 8, 183-203.	1.4	82
121	Riociguat for the treatment of pulmonary hypertension. Expert Opinion on Investigational Drugs, 2011, 20, 567-576.	1.9	81
122	Stimulation of Soluble Guanylate Cyclase Prevents Cigarette Smokeâ€“induced Pulmonary Hypertension and Emphysema. American Journal of Respiratory and Critical Care Medicine, 2014, 189, 1359-1373.	2.5	80
123	Nocturnal periodic breathing in primary pulmonary hypertension. European Respiratory Journal, 2002, 19, 658-663.	3.1	79
124	Fhl-1, a New Key Protein in Pulmonary Hypertension. Circulation, 2008, 118, 1183-1194.	1.6	79
125	Riociguat: Mode of Action and Clinical Development in Pulmonary Hypertension. Chest, 2017, 151, 468-480.	0.4	79
126	ASK1 Inhibition Halts Disease Progression in Preclinical Models of Pulmonary Arterial Hypertension. American Journal of Respiratory and Critical Care Medicine, 2018, 197, 373-385.	2.5	78

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127	Classical Transient Receptor Potential Channel 1 in Hypoxia-induced Pulmonary Hypertension. American Journal of Respiratory and Critical Care Medicine, 2013, 188, 1451-1459.	2.5	77
128	Cyclooxygenase Isoenzyme Localization and mRNA Expression in Rat Lungs. American Journal of Respiratory Cell and Molecular Biology, 1998, 18, 479-488.	1.4	76
129	Inflammation, immunological reaction and role of infection in pulmonary hypertension. Clinical Microbiology and Infection, 2011, 17, 7-14.	2.8	75
130	Sleep apnea in precapillary pulmonary hypertension. Sleep Medicine, 2013, 14, 247-251.	0.8	75
131	Novel and Emerging Therapies for Pulmonary Hypertension. American Journal of Respiratory and Critical Care Medicine, 2014, 189, 394-400.	2.5	75
132	Cardiac Magnetic Resonance Imaging-Based Right Ventricular Strain Analysis for Assessment of Coupling and Diastolic Function in Pulmonary Hypertension. JACC: Cardiovascular Imaging, 2019, 12, 2155-2164.	2.3	75
133	Safety and tolerability of bosentan in idiopathic pulmonary fibrosis: an open label study. European Respiratory Journal, 2007, 29, 713-719.	3.1	74
134	Traditional and new composite endpoints inÂheart failure clinical trials: facilitating comprehensive efficacy assessments and improving trial efficiency. European Journal of Heart Failure, 2016, 18, 482-489.	2.9	74
135	Low-dose Systemic Phosphodiesterase Inhibitors Amplify the Pulmonary Vasodilatory Response to Inhaled Prostacyclin in Experimental Pulmonary Hypertension. American Journal of Respiratory and Critical Care Medicine, 1999, 160, 1500-1506.	2.5	73
136	Inhaled iloprost is a potent acute pulmonary vasodilator in HIVâ€related severe pulmonary hypertension. European Respiratory Journal, 2004, 23, 321-326.	3.1	72
137	Oleic Acid Inhibits Alveolar Fluid Reabsorption. American Journal of Respiratory and Critical Care Medicine, 2005, 171, 469-479.	2.5	72
138	Impairment of respiratory muscle function in pulmonary hypertension. Clinical Science, 2008, 114, 165-171.	1.8	72
139	Long-term therapy with inhaled iloprost in patients with pulmonary hypertension. Respiratory Medicine, 2010, 104, 731-740.	1.3	72
140	p38 MAPK Inhibition Improves Heart Function in Pressure-Loaded Right Ventricular Hypertrophy. American Journal of Respiratory Cell and Molecular Biology, 2017, 57, 603-614.	1.4	72
141	Amplification of the pulmonary vasodilatory response to inhaled iloprost by subthreshold phosphodiesterase types 3 and 4 inhibition in severe pulmonary hypertension. Critical Care Medicine, 2002, 30, 2489-2492.	0.4	69
142	Lung cancerâ€“associated pulmonary hypertension: Role of microenvironmental inflammation based on tumor cellâ€“immune cell cross-talk. Science Translational Medicine, 2017, 9, .	5.8	69
143	Targeting the Prostacyclin Pathway with Selexipag in Patients with Pulmonary Arterial Hypertension Receiving Double Combination Therapy: Insights from the Randomized Controlled GRIPHON Study. American Journal of Cardiovascular Drugs, 2018, 18, 37-47.	1.0	69
144	Targeting cyclin-dependent kinases for the treatment of pulmonary arterial hypertension. Nature Communications, 2019, 10, 2204.	5.8	69

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145	Hypoxia induces Kv channel current inhibition by increased NADPH oxidase-derived reactive oxygen species. Free Radical Biology and Medicine, 2012, 52, 1033-1042.	1.3	68
146	Risk assessment in pulmonary arterial hypertension and chronic thromboembolic pulmonary hypertension. European Respiratory Journal, 2019, 53, 1802004.	3.1	68
147	Evaluation and Prognostic Relevance of Right Ventricularâ€“Arterial Coupling in Pulmonary Hypertension. American Journal of Respiratory and Critical Care Medicine, 2020, 201, 116-119.	2.5	68
148	Association of N-Terminal Pro Brain Natriuretic Peptide and Long-Term Outcome in Patients With Pulmonary Arterial Hypertension. Circulation, 2019, 139, 2440-2450.	1.6	67
149	Involvement of mast cells in monocrotaline-induced pulmonary hypertension in rats. Respiratory Research, 2011, 12, 60.	1.4	66
150	Mitochondrial Hyperpolarization in Pulmonary Vascular Remodeling. Mitochondrial Uncoupling Protein Deficiency as Disease Model. American Journal of Respiratory Cell and Molecular Biology, 2013, 49, 358-367.	1.4	66
151	Amplified canonical transforming growth factor-Î² signalling via heat shock protein 90 in pulmonary fibrosis. European Respiratory Journal, 2017, 49, 1501941.	3.1	66
152	SERAPHIN haemodynamic substudy: the effect of the dual endothelin receptor antagonist macitentan on haemodynamic parameters and NT-proBNP levels and their association with disease progression in patients with pulmonary arterial hypertension. European Heart Journal, 2017, 38, 1147-1155.	1.0	65
153	Thrombin Impairs Alveolar Fluid Clearance by Promoting Endocytosis of Na+,K+-ATPase. American Journal of Respiratory Cell and Molecular Biology, 2005, 33, 343-354.	1.4	64
154	Acute effects of the combination of sildenafil and inhaled treprostinil on haemodynamics and gas exchange in pulmonary hypertension. Pulmonary Pharmacology and Therapeutics, 2008, 21, 824-832.	1.1	64
155	Impact of the mitochondria-targeted antioxidant MitoQ on hypoxia-induced pulmonary hypertension. European Respiratory Journal, 2018, 51, 1701024.	3.1	64
156	More on Single-Beat Estimation of Right Ventriculoarterial Coupling in Pulmonary Arterial Hypertension. American Journal of Respiratory and Critical Care Medicine, 2018, 198, 816-818.	2.5	63
157	Inhaled Iloprost Reverses Vascular Remodeling in Chronic Experimental Pulmonary Hypertension. American Journal of Respiratory and Critical Care Medicine, 2005, 172, 358-363.	2.5	62
158	Future Perspectives for the Treatment of Pulmonary Arterial Hypertension. Journal of the American College of Cardiology, 2009, 54, S108-S117.	1.2	62
159	Function of NADPH Oxidase 1 in Pulmonary Arterial Smooth Muscle Cells After Monocrotaline-Induced Pulmonary Vascular Remodeling. Antioxidants and Redox Signaling, 2013, 19, 2213-2231.	2.5	62
160	5-HT2B Receptor Antagonists Inhibit Fibrosis and Protect from RV Heart Failure. BioMed Research International, 2015, 2015, 1-8.	0.9	62
161	Oxygen sensors in hypoxic pulmonary vasoconstriction. Cardiovascular Research, 2006, 71, 620-629.	1.8	61
162	The lectin-like domain of tumor necrosis factor-Î± improves alveolar fluid balance in injured isolated rabbit lungs*. Critical Care Medicine, 2008, 36, 1543-1550.	0.4	61

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163	Pulmonary hypertension due to chronic lung disease: Updated Recommendations of the Cologne Consensus Conference 2011. International Journal of Cardiology, 2011, 154, S45-S53.	0.8	61
164	PAR-2 Inhibition Reverses Experimental Pulmonary Hypertension. Circulation Research, 2012, 110, 1179-1191.	2.0	61
165	Effects of hypercapnia with and without acidosis on hypoxic pulmonary vasoconstriction. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2009, 297, L977-L983.	1.3	60
166	Diagnosis of CTEPH versus IPAH using capillary to end-tidal carbon dioxide gradients. European Respiratory Journal, 2012, 39, 119-124.	3.1	60
167	Recovery from circulatory shock in severe primary pulmonary hypertension (PPH) with aerosolization of iloprost. Intensive Care Medicine, 1998, 24, 631-634.	3.9	59
168	NO and reactive oxygen species are involved in biphasic hypoxic vasoconstriction of isolated rabbit lungs. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2001, 280, L638-L645.	1.3	59
169	Microcirculatory Dysfunction in the Brain Precedes Changes in Evoked Potentials in Endotoxin-Induced Sepsis Syndrome in Rats. Cerebrovascular Diseases, 2007, 23, 140-147.	0.8	59
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