Stephen L Archer

List of Publications by Year
in descending order

167 papers	24,212 citations	10389 72 h-index	7348 152 g-index
169 all docs	169 docs citations	169 times ranked	19798 citing authors

#	Article	IF	Citations
1	ACCF/AHA 2009 Expert Consensus Document on Pulmonary Hypertension. Journal of the American College of Cardiology, 2009, 53, 1573-1619.	2.8	1,797
2	A Mitochondria-K+ Channel Axis Is Suppressed in Cancer and Its Normalization Promotes Apoptosis and Inhibits Cancer Growth. Cancer Cell, 2007, 11, 37-51.	16.8	1,374
3	ACCF/AHA 2009 Expert Consensus Document on Pulmonary Hypertension. Circulation, 2009, 119, 2250-2294.	1.6	992
4	Pediatric Pulmonary Hypertension. Circulation, 2015, 132, 2037-2099.	1.6	879
5	Mitochondrial Dynamics â€" Mitochondrial Fission and Fusion in Human Diseases. New England Journal of Medicine, 2013, 369, 2236-2251.	27.0	843
6	Cellular and Molecular Basis of Pulmonary Arterial Hypertension. Journal of the American College of Cardiology, 2009, 54, S20-S31.	2.8	714
7	Pulmonary arterial hypertension: pathogenesis and clinical management. BMJ: British Medical Journal, 2018, 360, j5492.	2.3	553
8	An Abnormal Mitochondrialâ€"Hypoxia Inducible Factor-1Î±â€"Kv Channel Pathway Disrupts Oxygen Sensing and Triggers Pulmonary Arterial Hypertension in Fawn Hooded Rats. Circulation, 2006, 113, 2630-2641.	1.6	530
9	Phosphodiesterase Type 5 Is Highly Expressed in the Hypertrophied Human Right Ventricle, and Acute Inhibition of Phosphodiesterase Type 5 Improves Contractility. Circulation, 2007, 116, 238-248.	1.6	486
10	Relevant Issues in the Pathology and Pathobiology of Pulmonary Hypertension. Journal of the American College of Cardiology, 2013, 62, D4-D12.	2.8	465
11	Inhibition of mitochondrial fission prevents cell cycle progression in lung cancer. FASEB Journal, 2012, 26, 2175-2186.	0.5	458
12	The mechanism of acute hypoxic pulmonary vasoconstriction: the tale of two channels. FASEB Journal, 1995, 9, 183-189.	0.5	442
13	Basic Science of Pulmonary Arterial Hypertension for Clinicians. Circulation, 2010, 121, 2045-2066.	1.6	440
14	Acute Oxygen-Sensing Mechanisms. New England Journal of Medicine, 2005, 353, 2042-2055.	27.0	435
15	Hypoxic pulmonary vasoconstriction. Journal of Applied Physiology, 2005, 98, 390-403.	2.5	398
16	Dynamin-Related Protein 1â€"Mediated Mitochondrial Mitotic Fission Permits Hyperproliferation of Vascular Smooth Muscle Cells and Offers a Novel Therapeutic Target in Pulmonary Hypertension. Circulation Research, 2012, 110, 1484-1497.	4.5	363
17	Epigenetic Attenuation of Mitochondrial Superoxide Dismutase 2 in Pulmonary Arterial Hypertension. Circulation, 2010, 121, 2661-2671.	1.6	361
18	The Right Ventricle in Pulmonary Arterial Hypertension. Circulation Research, 2014, 115, 176-188.	4.5	361

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19	Long-Term Treatment With Oral Sildenafil Is Safe and Improves Functional Capacity and Hemodynamics in Patients With Pulmonary Arterial Hypertension. Circulation, 2003, 108, 2066-2069.	1.6	341
20	Dichloroacetate, a Metabolic Modulator, Prevents and Reverses Chronic Hypoxic Pulmonary Hypertension in Rats. Circulation, 2002, 105, 244-250.	1.6	340
21	The nuclear factor of activated T cells in pulmonary arterial hypertension can be therapeutically targeted. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 11418-11423.	7.1	332
22	SIRT3 Deacetylates and Activates OPA1 To Regulate Mitochondrial Dynamics during Stress. Molecular and Cellular Biology, 2014, 34, 807-819.	2.3	331
23	Gene therapy targeting survivin selectively induces pulmonary vascular apoptosis and reverses pulmonary arterial hypertension. Journal of Clinical Investigation, 2005, 115, 1479-1491.	8.2	323
24	Mitochondrial metabolism, redox signaling, and fusion: a mitochondria-ROS-HIF-1Î±-Kv1.5 O₂-sensing pathway at the intersection of pulmonary hypertension and cancer. American Journal of Physiology - Heart and Circulatory Physiology, 2008, 294, H570-H578.	3.2	319
25	Differential Distribution of Electrophysiologically Distinct Myocytes in Conduit and Resistance Arteries Determines Their Response to Nitric Oxide and Hypoxia. Circulation Research, 1996, 78, 431-442.	4.5	294
26	Hypoxic Pulmonary Vasoconstriction. Chest, 2017, 151, 181-192.	0.8	292
27	Dynaminâ€related protein 1 (Drp1)â€mediated diastolic dysfunction in myocardial ischemiaâ€reperfusion injury: therapeutic benefits of Drp1 inhibition to reduce mitochondrial fission. FASEB Journal, 2014, 28, 316-326.	0.5	284
28	Diversity in Mitochondrial Function Explains Differences in Vascular Oxygen Sensing. Circulation Research, 2002, 90, 1307-1315.	4.5	279
29	The inhibition of pyruvate dehydrogenase kinase improves impaired cardiac function and electrical remodeling in two models of right ventricular hypertrophy: resuscitating the hibernating right ventricle. Journal of Molecular Medicine, 2010, 88, 47-60.	3.9	271
30	In Vivo Gene Transfer of the O ₂ -Sensitive Potassium Channel Kv1.5 Reduces Pulmonary Hypertension and Restores Hypoxic Pulmonary Vasoconstriction in Chronically Hypoxic Rats. Circulation, 2003, 107, 2037-2044.	1.6	252
31	Endothelium-Derived Hyperpolarizing Factor in Human Internal Mammary Artery Is 11,12-Epoxyeicosatrienoic Acid and Causes Relaxation by Activating Smooth Muscle BK _{Ca} Channels. Circulation, 2003, 107, 769-776.	1.6	243
32	Assessment of Right Ventricular Function in the Research Setting: Knowledge Gaps and Pathways Forward. An Official American Thoracic Society Research Statement. American Journal of Respiratory and Critical Care Medicine, 2018, 198, e15-e43.	5.6	220
33	Phosphodiesterase Type 5 Inhibitors for Pulmonary Arterial Hypertension. New England Journal of Medicine, 2009, 361, 1864-1871.	27.0	192
34	Late gadolinium enhancement cardiovascular magnetic resonance predicts clinical worsening in patients with pulmonary hypertension. Journal of Cardiovascular Magnetic Resonance, 2012, 14, 14.	3.3	187
35	Increasing Incidence and Prevalence of World Health Organization Groups 1 to 4 Pulmonary Hypertension. Circulation: Cardiovascular Quality and Outcomes, 2018, 11, e003973.	2.2	187
36	Preferential Expression and Function of Voltage-Gated, O ₂ -Sensitive K ⁺ Channels in Resistance Pulmonary Arteries Explains Regional Heterogeneity in Hypoxic Pulmonary Vasoconstriction. Circulation Research, 2004, 95, 308-318.	4.5	177

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37	PGC1Î±-mediated Mitofusin-2 Deficiency in Female Rats and Humans with Pulmonary Arterial Hypertension. American Journal of Respiratory and Critical Care Medicine, 2013, 187, 865-878.	5.6	177
38	Therapeutic inhibition of fatty acid oxidation in right ventricular hypertrophy: exploiting Randleâ€™s cycle. Journal of Molecular Medicine, 2012, 90, 31-43.	3.9	175
39	Emerging Concepts in the Molecular Basis of Pulmonary Arterial Hypertension. Circulation, 2015, 131, 1691-1702.	1.6	160
40	Lung ¹⁸F-Fluorodeoxyglucose Positron Emission Tomography for Diagnosis and Monitoring of Pulmonary Arterial Hypertension. American Journal of Respiratory and Critical Care Medicine, 2012, 185, 670-679.	5.6	159
41	A Central Role for CD68(+) Macrophages in Hepatopulmonary Syndrome. American Journal of Respiratory and Critical Care Medicine, 2011, 183, 1080-1091.	5.6	158
42	O ₂ Sensing in the Human Ductus Arteriosus. Circulation Research, 2002, 91, 478-486.	4.5	154
43	The Role of K+Channels in Determining Pulmonary Vascular Tone, Oxygen Sensing, Cell Proliferation, and Apoptosis: Implications in Hypoxic Pulmonary Vasoconstriction and Pulmonary Arterial Hypertension. Microcirculation, 2006, 13, 615-632.	1.8	150
44	Metabolic heterogeneity of idiopathic pulmonary fibrosis: a metabolomic study. BMJ Open Respiratory Research, 2017, 4, e000183.	3.0	148
45	Metabolism and Bioenergetics in the Right Ventricle and Pulmonary Vasculature in Pulmonary Hypertension. Pulmonary Circulation, 2013, 3, 144-152.	1.7	147
46	Cardiac glutaminolysis: a maladaptive cancer metabolism pathway in the right ventricle in pulmonary hypertension. Journal of Molecular Medicine, 2013, 91, 1185-1197.	3.9	143
47	Validation of high-resolution echocardiography and magnetic resonance imaging vs. high-fidelity catheterization in experimental pulmonary hypertension. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2010, 299, L401-L412.	2.9	142
48	Right Ventricular Adaptation and Failure in Pulmonary Arterial Hypertension. Canadian Journal of Cardiology, 2015, 31, 391-406.	1.7	140
49	Impairment of hypoxic pulmonary vasoconstriction in mice lacking the voltageâ€gated potassium channel Kv1.5. FASEB Journal, 2001, 15, 1801-1803.	0.5	138
50	Mitochondrial metabolic adaptation in right ventricular hypertrophy and failure. Journal of Molecular Medicine, 2010, 88, 1011-1020.	3.9	137
51	Differentiating COVID-19 Pneumonia From Acute Respiratory Distress Syndrome and High Altitude Pulmonary Edema. Circulation, 2020, 142, 101-104.	1.6	136
52	Oxygen Activates the Rho/Rho-Kinase Pathway and Induces RhoB and ROCK-1 Expression in Human and Rabbit Ductus Arteriosus by Increasing Mitochondria-Derived Reactive Oxygen Species. Circulation, 2007, 115, 1777-1788.	1.6	135
53	MicroRNA-138 and MicroRNA-25 Down-regulate Mitochondrial Calcium Uniporter, Causing the Pulmonary Arterial Hypertension Cancer Phenotype. American Journal of Respiratory and Critical Care Medicine, 2017, 195, 515-529.	5.6	134
54	Hypoxic pulmonary vasoconstriction: redox regulation of O2-sensitive K+ channels by a mitochondrial O2-sensor in resistance artery smooth muscle cells. Journal of Molecular and Cellular Cardiology, 2004, 37, 1119-36.	1.9	129

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55	FOXO1-mediated upregulation of pyruvate dehydrogenase kinase-4 (PDK4) decreases glucose oxidation and impairs right ventricular function in pulmonary hypertension: therapeutic benefits of dichloroacetate. Journal of Molecular Medicine, 2013, 91, 333-346.	3.9	125
56	Genetic determinants of risk in pulmonary arterial hypertension: international genome-wide association studies and meta-analysis. Lancet Respiratory Medicine,the, 2019, 7, 227-238.	10.7	122
57	Mitochondrial dynamics in pulmonary arterial hypertension. Journal of Molecular Medicine, 2015, 93, 229-242.	3.9	121
58	Epigenetic Dysregulation of the Dynamin-Related Protein 1 Binding Partners MiD49 and MiD51 Increases Mitotic Mitochondrial Fission and Promotes Pulmonary Arterial Hypertension. Circulation, 2018, 138, 287-304.	1.6	115
59	Standards and Methodological Rigor in Pulmonary Arterial Hypertension Preclinical and Translational Research. Circulation Research, 2018, 122, 1021-1032.	4.5	111
60	Long-term Effects of Epoprostenol on the Pulmonary Vasculature in Idiopathic Pulmonary Arterial Hypertension. Chest, 2010, 138, 1234-1239.	0.8	109
61	GRK2-Mediated Inhibition of Adrenergic and Dopaminergic Signaling in Right Ventricular Hypertrophy. Circulation, 2012, 126, 2859-2869.	1.6	106
62	Oxygen-Sensitive Kv Channel Gene Transfer Confers Oxygen Responsiveness to Preterm Rabbit and Remodeled Human Ductus Arteriosus. Circulation, 2004, 110, 1372-1379.	1.6	101
63	Mitochondrial ironâ€"sulfur clusters: Structure, function, and an emerging role in vascular biology. Redox Biology, 2021, 47, 102164.	9.0	101
64	Identification of Long Noncoding RNA H19 as a New Biomarker and Therapeutic Target in Right Ventricular Failure in Pulmonary Arterial Hypertension. Circulation, 2020, 142, 1464-1484.	1.6	96
65	Voltage-gated potassium channels in human ductus arteriosus. Lancet, The, 2000, 356, 134-137.	13.7	95
66	Hypoxic fetoplacental vasoconstriction in humans is mediated by potassium channel inhibition. American Journal of Physiology - Heart and Circulatory Physiology, 2002, 283, H2440-H2449.	3.2	91
67	Ischemia-induced Drp1 and Fis1-mediated mitochondrial fission and right ventricular dysfunction in pulmonary hypertension. Journal of Molecular Medicine, 2017, 95, 381-393.	3.9	90
68	Role of Dynamin-Related Protein 1 (Drp1)-Mediated Mitochondrial Fission in Oxygen Sensing and Constriction of the Ductus Arteriosus. Circulation Research, 2013, 112, 802-815.	4.5	88
69	Epigenetic Mechanisms of Pulmonary Hypertension. Pulmonary Circulation, 2011, 1, 347-356.	1.7	85
70	Epigenetic Metabolic Reprogramming of Right Ventricular Fibroblasts in Pulmonary Arterial Hypertension. Circulation Research, 2020, 126, 1723-1745.	4.5	83
71	Inhibition of the Mitochondrial Fission Protein Dynamin-Related Protein 1 Improves Survival in a Murine Cardiac Arrest Model. Critical Care Medicine, 2015, 43, e38-e47.	0.9	81
72	The role of Drp1 adaptor proteins MiD49 and MiD51Âin mitochondrial fission: implications for human disease. Clinical Science, 2016, 130, 1861-1874.	4.3	78

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73	A Proposed Mitochondrialâ€"Metabolic Mechanism for Initiation and Maintenance of Pulmonary Arterial Hypertension in Fawn-Hooded Rats: The Warburg Model of Pulmonary Arterial Hypertension. Advances in Experimental Medicine and Biology, 2010, 661, 171-185.	1.6	78
74	A Placebo-Controlled Trial of Prostacyclin in Acute Respiratory Failure in COPD. Chest, 1996, 109, 750-755.	0.8	77
75	QTc prolongation is associated with impaired right ventricular function and predicts mortality in pulmonary hypertension. International Journal of Cardiology, 2013, 167, 669-676.	1.7	77
76	Novel Mutations and Decreased Expression of the Epigenetic Regulator <i>TET2</i> in Pulmonary Arterial Hypertension. Circulation, 2020, 141, 1986-2000.	1.6	75
77	Metabolic Syndrome Exacerbates Pulmonary Hypertension due to Left Heart Disease. Circulation Research, 2019, 125, 449-466.	4.5	73
78	Overexpression of human bone morphogenetic protein receptor 2 does not ameliorate monocrotaline pulmonary arterial hypertension. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2007, 292, L872-L878.	2.9	72
79	Peripheral Blood Signature of Vasodilator-Responsive Pulmonary Arterial Hypertension. Circulation, 2015, 131, 401-409.	1.6	72
80	Statin therapy, alone or with rapamycin, does not reverse monocrotaline pulmonary arterial hypertension: the rapamcyin-atorvastatin-simvastatin study. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2007, 293, L933-L940.	2.9	71
81	Potassium channels and erectile dysfunction. Vascular Pharmacology, 2002, 38, 61-71.	2.1	69
82	Trends and Outcomes of Pulmonary Arterial Hypertensionâ€"Related Hospitalizations in the United States. JAMA Cardiology, 2016, 1, 1021.	6.1	69
83	Critical Genomic Networks and Vasoreactive Variants in Idiopathic Pulmonary Arterial Hypertension. American Journal of Respiratory and Critical Care Medicine, 2016, 194, 464-475.	5.6	69
84	Interleukin-6 is independently associated with right ventricular function in pulmonary arterial hypertension. Journal of Heart and Lung Transplantation, 2018, 37, 376-384.	0.6	68
85	Identification of novel dynaminâ€related protein 1 (Drp1) GTPase inhibitors: <i>Therapeutic potential of Drpitor1 and Drpitor1a in cancer and cardiac ischemiaâ€reperfusion injury</i>. FASEB Journal, 2020, 34, 1447-1464.	0.5	68
86	Mitochondrial fission links ECM mechanotransduction to metabolic redox homeostasis and metastatic chemotherapy resistance. Nature Cell Biology, 2022, 24, 168-180.	10.3	68
87	Ndufs2, a Core Subunit of Mitochondrial Complex I, Is Essential for Acute Oxygen-Sensing and Hypoxic Pulmonary Vasoconstriction. Circulation Research, 2019, 124, 1727-1746.	4.5	67
88	Redox control of oxygen sensing in the rabbit ductus arteriosus. Journal of Physiology, 2001, 533, 253-261.	2.9	64
89	The Mechanism(s) of Hypoxic Pulmonary Vasoconstriction: Potassium Channels, Redox O₂Sensors, and Controversies. Physiology, 2002, 17, 131-137.	3.1	62
90	An anesthesiologist's guide to hypoxic pulmonary vasoconstriction: implications for managing single-lung anesthesia and atelectasis. Current Opinion in Anaesthesiology, 2006, 19, 34-43.	2.0	59

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91	Increased Drp1-Mediated Mitochondrial Fission Promotes Proliferation and Collagen Production by Right Ventricular Fibroblasts in Experimental Pulmonary Arterial Hypertension. Frontiers in Physiology, 2018, 9, 828.	2.8	59
92	O2 sensing in the human ductus arteriosus: redox-sensitive K+ channels are regulated by mitochondria-derived hydrogen peroxide. Biological Chemistry, 2004, 385, 205-16.	2.5	57
93	Pyruvate Kinase and Warburg Metabolism in Pulmonary Arterial Hypertension. Circulation, 2017, 136, 2486-2490.	1.6	55
94	Home Virtual Visits for Outpatient Follow-Up Stroke Care: Cross-Sectional Study. Journal of Medical Internet Research, 2019, 21, e13734.	4.3	52
95	Riociguat for Pulmonary Hypertension â€" A Glass Half Full. New England Journal of Medicine, 2013, 369, 386-388.	27.0	51
96	Repurposing Medications for Treatment of Pulmonary Arterial Hypertension: What's Old Is New Again. Journal of the American Heart Association, 2019, 8, e011343.	3.7	50
97	Developmental Absence of the O2 Sensitivity of L-Type Calcium Channels in Preterm Ductus Arteriosus Smooth Muscle Cells Impairs O2 Constriction Contributing to Patent Ductus Arteriosus. Pediatric Research, 2008, 63, 176-181.	2.3	49
98	Evolving Epidemiology of Pulmonary Arterial Hypertension. American Journal of Respiratory and Critical Care Medicine, 2012, 186, 707-709.	5.6	49
99	Colchicine Depolymerizes Microtubules, Increases Junctophilinâ€2, and Improves Right Ventricular Function in Experimental Pulmonary Arterial Hypertension. Journal of the American Heart Association, 2017, 6, .	3.7	49
100	The role of redox changes in oxygen sensing. Respiratory Physiology and Neurobiology, 2010, 174, 182-191.	1.6	48
101	A maturational shift in pulmonary K⁺ channels, from Ca²⁺ sensitive to voltage dependent. American Journal of Physiology - Lung Cellular and Molecular Physiology, 1998, 275, L1019-L1025.	2.9	44
102	COUNTERPOINT: HYPOXIC PULMONARY VASOCONSTRICTION IS NOT MEDIATED BY INCREASED PRODUCTION OF REACTIVE OXYGEN SPECIES. Journal of Applied Physiology, 2006, 101, 995-998.	2.5	44
103	Clinical Determinants and Prognostic Implications of Right Ventricular Dysfunction in Pulmonary Hypertension Caused by Chronic Lung Disease. Journal of the American Heart Association, 2019, 8, e011464.	3.7	44
104	Mitochondrial Fission and Fusion in Human Diseases. New England Journal of Medicine, 2014, 370, 1073-1074.	27.0	43
105	Transcriptomic Signature of Right Ventricular Failure in Experimental Pulmonary Arterial Hypertension: Deep Sequencing Demonstrates Mitochondrial, Fibrotic, Inflammatory and Angiogenic Abnormalities. International Journal of Molecular Sciences, 2018, 19, 2730.	4.1	43
106	Rare variant analysis of 4241 pulmonary arterial hypertension cases from an international consortium implicates FBLN2, PDGFD, and rare de novo variants in PAH. Genome Medicine, 2021, 13, 80.	8.2	43
107	Survival in pulmonary hypertension due to chronic lung disease: Influence of low diffusion capacity of the lungs for carbon monoxide. Journal of Heart and Lung Transplantation, 2019, 38, 145-155.	0.6	40
108	Mitochondria in the Pulmonary Vasculature in Health and Disease: Oxygenâ€Sensing, Metabolism, and Dynamics. , 2020, 10, 713-765.		39

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109	Rodent Models of Group 1 Pulmonary Hypertension. Handbook of Experimental Pharmacology, 2013, , 105-149.	1.8	37
110	Macrophageâ€“NLRP3 Activation Promotes Right Ventricle Failure in Pulmonary Arterial Hypertension. American Journal of Respiratory and Critical Care Medicine, 2022, 206, 608-624.	5.6	37
111	Executive Summary of the American Heart Association and American Thoracic Society Joint Guidelines for Pediatric Pulmonary Hypertension. American Journal of Respiratory and Critical Care Medicine, 2016, 194, 898-906.	5.6	36
112	Persistence of complex vascular lesions despite prolonged prostacyclin therapy of pulmonary arterial hypertension. Histopathology, 2012, 61, 597-609.	2.9	34
113	Rodent Models of Group 1 Pulmonary Hypertension. Handbook of Experimental Pharmacology, 2013, 218, 105-149.	1.8	34
114	Acquired Mitochondrial Abnormalities, Including Epigenetic Inhibition of Superoxide Dismutase 2, in Pulmonary Hypertension and Cancer: Therapeutic Implications. Advances in Experimental Medicine and Biology, 2016, 903, 29-53.	1.6	33
115	Oxygen sensing, mitochondrial biology and experimental therapeutics for pulmonary hypertension and cancer. Free Radical Biology and Medicine, 2021, 170, 150-178.	2.9	32
116	Pulmonary Vasoconstriction, Oxygen Sensing, and the Role of Ion Channels. Chest, 1998, 114, 17S-22S.	0.8	31
117	The making of a physician-scientist--the process has a pattern: lessons from the lives of Nobel laureates in medicine and physiology. European Heart Journal, 2007, 28, 510-514.	2.2	31
118	Pulmonary Pulse Wave Transit Time is Associated with Right Ventricularâ€“Pulmonary Artery Coupling in Pulmonary Arterial Hypertension. Pulmonary Circulation, 2016, 6, 576-585.	1.7	30
119	A mitochondrial redox oxygen sensor in the pulmonary vasculature and ductus arteriosus. Pflugers Archiv European Journal of Physiology, 2016, 468, 43-58.	2.8	30
120	Mitochondria in human neutrophils mediate killing of Staphylococcus aureus. Redox Biology, 2022, 49, 102225.	9.0	30
121	Endothelial <i>BMPR2</i> Loss Drives a Proliferative Response to BMP (Bone Morphogenetic Protein) 9 via Prolonged Canonical Signaling. Arteriosclerosis, Thrombosis, and Vascular Biology, 2020, 40, 2605-2618.	2.4	29
122	Clinical value of non-coding RNAs in cardiovascular, pulmonary, and muscle diseases. American Journal of Physiology - Cell Physiology, 2020, 318, C1-C28.	4.6	26
123	PINK1â€induced phosphorylation of mitofusin 2 at serine 442 causes its proteasomal degradation and promotes cell proliferation in lung cancer and pulmonary arterial hypertension. FASEB Journal, 2021, 35, e21771.	0.5	25
124	A Central Role for Oxygen-Sensitive K+ Channels and Mitochondria in the Specialized Oxygen-Sensing System. Novartis Foundation Symposium, 2008, , 157-175.	1.1	24
125	Activation of the EGFR/p38/JNK pathway by mitochondrial-derived hydrogen peroxide contributes to oxygen-induced contraction of ductus arteriosus. Journal of Molecular Medicine, 2014, 92, 995-1007.	3.9	24
126	Pathophysiology, incidence, management, and consequences of cardiac arrhythmia in pulmonary arterial hypertension and chronic thromboembolic pulmonary hypertension. Pulmonary Circulation, 2019, 9, 1-15.	1.7	24

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127	Aetiology and Management of Male Erectile Dysfunction and Female Sexual Dysfunction in Patients with Cardiovascular Disease. Drugs and Aging, 2005, 22, 823-844.	2.7	22
128	Biventricular Increases in Mitochondrial Fission Mediator (MiD51) and Proglycolytic Pyruvate Kinase (PKM2) Isoform in Experimental Group 2 Pulmonary Hypertension-Novel Mitochondrial Abnormalities. Frontiers in Cardiovascular Medicine, 2018, 5, 195.	2.4	22
129	Dexfenfluramine increases pulmonary artery smooth muscle intracellular Ca²⁺, independent of membrane potential. American Journal of Physiology - Lung Cellular and Molecular Physiology, 1999, 277, L662-L666.	2.9	20
130	Mitochondrial dynamics in cardiovascular disease: fission and fusion foretell form and function. Journal of Molecular Medicine, 2015, 93, 225-228.	3.9	20
131	Suppression of Superoxide-Hydrogen Peroxide Production at Site IQ of Mitochondrial Complex I Attenuates Myocardial Stunning and Improves Postcardiac Arrest Outcomes. Critical Care Medicine, 2020, 48, e133-e140.	0.9	20
132	Models and Molecular Mechanisms of World Health Organization Group 2 to 4 Pulmonary Hypertension. Hypertension, 2018, 71, 34-55.	2.7	18
133	Excess Protein O-GlcNAcylation Links Metabolic Derangements to Right Ventricular Dysfunction in Pulmonary Arterial Hypertension. International Journal of Molecular Sciences, 2020, 21, 7278.	4.1	17
134	Blunted Hypoxic Pulmonary Vasoconstriction in Experimental Neonatal Chronic Lung Disease. American Journal of Respiratory and Critical Care Medicine, 2008, 178, 399-406.	5.6	16
135	An epigenetic increase in mitochondrial fission by MiD49 and MiD51 regulates the cell cycle in cancer: <i>Diagnostic and therapeutic implications</i>. FASEB Journal, 2020, 34, 5106-5127.	0.5	16
136	Inflammatory Glycoprotein 130 Signaling Links Changes in Microtubules and Junctophilin-2 to Altered Mitochondrial Metabolism and Right Ventricular Contractility. Circulation: Heart Failure, 2022, 15, CIRCHEARTFAILURE121008574.	3.9	14
137	Effects of fluoxetine, phentermine, and venlafaxine on pulmonary arterial pressure and electrophysiology. American Journal of Physiology - Lung Cellular and Molecular Physiology, 1999, 276, L213-L219.	2.9	13
138	A pro-con debate: current controversies in PAH pathogenesis at the American Thoracic Society International Conference in 2017. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2018, 315, L502-L516.	2.9	13
139	Supraâ€coronary aortic banding improves right ventricular function in experimental pulmonary arterial hypertension in rats by increasing systolic right coronary artery perfusion. Acta Physiologica, 2020, 229, e13483.	3.8	12
140	Aerosol delivery of diethylenetriamine/nitric oxide, a nitric oxide adduct, causes selective pulmonary vasodilation in perinatal lambs. Translational Research, 1999, 134, 419-425.	2.3	11
141	Hypochloremia Is a Noninvasive Predictor of Mortality in Pulmonary Arterial Hypertension. Journal of the American Heart Association, 2020, 9, e015221.	3.7	11
142	Diagnosis and Treatment of Right Heart Failure in Pulmonary Vascular Diseases: A National Heart, Lung, and Blood Institute Workshop. Circulation: Heart Failure, 2021, 14, .	3.9	11
143	Providing care for the 99.9% during the COVID-19 pandemic: How ethics, equity, epidemiology, and cost per QALY inform healthcare policy. Healthcare Management Forum, 2020, 33, 239-242.	1.4	9
144	A central role for oxygen-sensitive K+ channels and mitochondria in the specialized oxygen-sensing system. Novartis Foundation Symposium, 2006, 272, 157-71; discussion 171-5, 214-7.	1.1	9

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145	Pulmonary hypertension begets pulmonary hypertension: mutually reinforcing roles for haemodynamics, inflammation, and cancer-like phenotypes. Cardiovascular Research, 2016, 111, 1-4.	3.8	8
146	Gone fission: an asymptomatic <i>STAT2</i> mutation elongates mitochondria and causes human disease following viral infection. Brain, 2015, 138, 2802-2806.	7.6	7
147	The molecular mechanisms of oxygen-sensing in human ductus arteriosus smooth muscle cells: A comprehensive transcriptome profile reveals a central role for mitochondria. Genomics, 2021, 113, 3128-3140.	2.9	7
148	Evaluation of the Impact of an Echocardiographic Diagnosis of Pulmonary Hypertension on Patient Outcomes. CJC Open, 2020, 2, 328-336.	1.5	6
149	Hemodynamic Characteristics and Outcomes of Pulmonary Hypertension in Patients Undergoing Tricuspid Valve Repair or Replacement. CJC Open, 2021, 3, 488-497.	1.5	6
150	Left Atrial Stenosis Induced Pulmonary Venous Arterialization and Group 2 Pulmonary Hypertension in Rat. Journal of Visualized Experiments, 2018, , .	0.3	5
151	Measurement of Nitric Oxide and Nitric Oxide Synthase Activity. , 1999, , 163-185.		4
152	Biventricular Assessment of Cardiac Function and Pressure-Volume Loops by Closed-Chest Catheterization in Mice. Journal of Visualized Experiments, 2020, , .	0.3	4
153	Inhibiting pyruvate kinase muscle isoform 2 regresses group 2 pulmonary hypertension induced by supraâ€coronary aortic banding. Acta Physiologica, 2022, 234, e13764.	3.8	3
154	Triple-bonded unsaturated fatty acids are redox active compounds. Lipids, 2001, 36, 431-433.	1.7	2
155	Untreated 37-Year-Old Homozygous Familial Hypercholesterolemic Smoker. Circulation, 2006, 113, e777.	1.6	2
156	Comparison of CT contrast blood pool agents for in-vivo 3D angiography using MicroCT. , 2008, , .		1
157	The Right Ventricle. , 2012, , 537-553.		1
158	Carvedilol for Treatment of Right Ventricular Dysfunction in Pulmonary Arterial Hypertension. Journal of the American Heart Association, 2021, 10, e021518.	3.7	1
159	The comprehensive transcriptome of human ductus arteriosus smooth muscle cells (hDASMC). Data in Brief, 2022, 40, 107736.	1.0	1
160	Using health administrative data to identify patients with pulmonary hypertension: A single center, proof of concept validation study in Ontario, Canada. Pulmonary Circulation, 2022, 12, e12040.	1.7	1
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164	Scientist on the Spot: Exploring the cause and cure for pulmonary arterial hypertension. Cardiovascular Research, 2021, 117, e82-e83.	3.8	0
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166	Anomalous Right Coronary Artery Arising from Distal Left Circumflex Artery. CJC Open, 2021, 4, 112-113.	1.5	0
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