Francisco Perez-Vizcaino

List of Publications by Year
in descending order

191	8,281	38742 50	58581 82
papers	citations	h-index	g-index

192	192	192	9077
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Antihypertensive effects of the flavonoid quercetin in spontaneously hypertensive rats. British Journal of Pharmacology, 2001, 133, 117-124.	5.4	381
2	Flavonols and cardiovascular disease. Molecular Aspects of Medicine, 2010, 31, 478-494.	6.4	315
3	Vasodilatory effects of flavonoids in rat aortic smooth muscle. Structure-activity relationships. General Pharmacology, 1993, 24, 857-862.	0.7	265
4	Quercetin downregulates NADPH oxidase, increases eNOS activity and prevents endothelial dysfunction in spontaneously hypertensive rats. Journal of Hypertension, 2006, 24, 75-84.	0.5	253
5	Antihypertensive effects of the flavonoid quercetin. Pharmacological Reports, 2009, 61, 67-75.	3.3	243
6	Vasodilator effects of quercetin in isolated rat vascular smooth muscle. European Journal of Pharmacology, 1993, 239, 1-7.	3.5	185
7	Research trends in flavonoids and health. Archives of Biochemistry and Biophysics, 2018, 646, 107-112.	3.0	184
8	Endothelium-Independent Vasodilator Effects of the Flavonoid Quercetin and Its Methylated Metabolites in Rat Conductance and Resistance Arteries. Journal of Pharmacology and Experimental Therapeutics, 2002, 302, 66-72.	2.5	170
9	Endothelial function and cardiovascular disease: Effects of quercetin and wine polyphenols. Free Radical Research, 2006, 40, 1054-1065.	3.3	170
10	Serotonin Inhibits Voltage-Gated K ⁺ Currents in Pulmonary Artery Smooth Muscle Cells. Circulation Research, 2006, 98, 931-938.	4.5	170
11	SIRT1 inhibits NADPH oxidase activation and protects endothelial function in the rat aorta: Implications for vascular aging. Biochemical Pharmacology, 2013, 85, 1288-1296.	4.4	169
12	Epicatechin lowers blood pressure, restores endothelial function, and decreases oxidative stress and endothelin-1 and NADPH oxidase activity in DOCA-salt hypertension. Free Radical Biology and Medicine, 2012, 52, 70-79.	2.9	154
13	Thromboxane A ₂ -Induced Inhibition of Voltage-Gated K ⁺ Channels and Pulmonary Vasoconstriction. Circulation Research, 2003, 93, 656-663.	4.5	140
14	Protective effects of the flavonoid quercetin in chronic nitric oxide deficient rats. Journal of Hypertension, 2002, 20, 1843-1854.	0.5	124
15	Quercetin inhibits vascular superoxide production induced by endothelin-1: Role of NADPH oxidase, uncoupled eNOS and PKC. Atherosclerosis, 2009, 202, 58-67.	0.8	122
16	Vascular deconjugation of quercetin glucuronide: The flavonoid paradox revealed?. Molecular Nutrition and Food Research, 2011, 55, 1780-1790.	3.3	110
17	Chronic Hydroxychloroquine Improves Endothelial Dysfunction and Protects Kidney in a Mouse Model of Systemic Lupus Erythematosus. Hypertension, 2014, 64, 330-337.	2.7	110
18	Glucuronidated and sulfated metabolites of the flavonoid quercetin prevent endothelial dysfunction but lack direct vasorelaxant effects in rat aorta. Atherosclerosis, 2009, 204, 34-39.	0.8	108

#	Article	IF	Citations
19	Glucuronidated Quercetin Lowers Blood Pressure in Spontaneously Hypertensive Rats via Deconjugation. PLoS ONE, 2012, 7, e32673.	2.5	104
20	Quercetin and Isorhamnetin Prevent Endothelial Dysfunction, Superoxide Production, and Overexpression of p47phox Induced by Angiotensin II in Rat Aorta. Journal of Nutrition, 2007, 137, 910-915.	2.9	98
21	The flavonoid paradox: conjugation and deconjugation as key steps for the biological activity of flavonoids. Journal of the Science of Food and Agriculture, 2012, 92, 1822-1825.	3.5	97
22	Wine Polyphenols Improve Endothelial Function in Large Vessels of Female Spontaneously Hypertensive Rats. Hypertension, 2008, 51, 1088-1095.	2.7	95
23	Activation of neutral sphingomyelinase is involved in acute hypoxic pulmonary vasoconstriction. Cardiovascular Research, 2008, 82, 296-302.	3.8	94
24	Antihypertensive Effects of Probiotics. Current Hypertension Reports, 2017, 19, 26.	3.5	93
25	Nitric Oxide (NO) Scavenging and NO Protecting Effects of Quercetin and Their Biological Significance in Vascular Smooth Muscle. Molecular Pharmacology, 2004, 65, 851-859.	2.3	89
26	Effects of Losartan on Blood Pressure, Metabolic Alterations, and Vascular Reactivity in the Fructose-Induced Hypertensive Rat. Hypertension, 1995, 26, 1074-1078.	2.7	87
27	Chronic administration of genistein improves endothelial dysfunction in spontaneously hypertensive rats: involvement of eNOS, caveolin and calmodulin expression and NADPH oxidase activity. Clinical Science, 2007, 112, 183-191.	4.3	82
28	Antihypertensive Effects of Peroxisome Proliferator-Activated Receptor-Î² Activation in Spontaneously Hypertensive Rats. Hypertension, 2011, 58, 733-743.	2.7	80
29	Modulation of nitric oxide by flavonoids. Food and Function, 2014, 5, 1653-1668.	4.6	80
30	The dietary flavonoid quercetin activates BKCa currents in coronary arteries via production of H2O2. Role in vasodilatation. Cardiovascular Research, 2007, 73, 424-431.	3.8	77
31	Effects of chronic quercetin treatment on hepatic oxidative status of spontaneously hypertensive rats. Molecular and Cellular Biochemistry, 2001, 221, 155-160.	3.1	74
32	The flavonoid quercetin induces apoptosis and inhibits JNK activation in intimal vascular smooth muscle cells. Biochemical and Biophysical Research Communications, 2006, 346, 919-925.	2.1	73
33	The flavonoid quercetin induces acute vasodilator effects in healthy volunteers: Correlation with beta-glucuronidase activity. Pharmacological Research, 2014, 89, 11-18.	7.1	73
34	Lactobacillus fermentum Improves Tacrolimusâ€Induced Hypertension by Restoring Vascular Redox State and Improving eNOS Coupling. Molecular Nutrition and Food Research, 2018, 62, e1800033.	3.3	71
35	Reactive oxygen species signaling in pulmonary vascular smooth muscle. Respiratory Physiology and Neurobiology, 2010, 174, 212-220.	1.6	70
36	The Flavonoid Quercetin Reverses Pulmonary Hypertension in Rats. PLoS ONE, 2014, 9, e114492.	2.5	62

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37	Diabetes induces pulmonary artery endothelial dysfunction by NADPH oxidase induction. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2008, 295, L727-L732.	2.9	61
38	JAK2 mediates lung fibrosis, pulmonary vascular remodelling and hypertension in idiopathic pulmonary fibrosis: an experimental study. Thorax, 2018, 73, 519-529.	5.6	58
39	Role of Reactive Oxygen Species in Kv Channel Inhibition and Vasoconstriction Induced by TP Receptor Activation in Rat Pulmonary Arteries. Annals of the New York Academy of Sciences, 2006, 1091, 41-51.	3.8	57
40	Epicatechin: Endothelial Function and Blood Pressure. Journal of Agricultural and Food Chemistry, 2012, 60, 8823-8830.	5.2	57
41	Activation of peroxisome proliferator-activated receptor-Î²/-Î´ (PPARÎ²/Î´) prevents endothelial dysfunction in type 1 diabetic rats. Free Radical Biology and Medicine, 2012, 53, 730-741.	2.9	57
42	Pulmonary Arterial Hypertension Affects the Rat Gut Microbiome. Scientific Reports, 2018, 8, 9681.	3.3	56
43	Increased NADPH oxidase activity mediates spontaneous aortic tone in genetically hypertensive rats. European Journal of Pharmacology, 2006, 544, 97-103.	3.5	55
44	Chronic (Ââ^'Â)-epicatechin improves vascular oxidative and inflammatory status but not hypertension in chronic nitric oxide-deficient rats. British Journal of Nutrition, 2011, 106, 1337-1348.	2.3	55
45	Kv7 channels critically determine coronary artery reactivity: left-right differences and down-regulation by hyperglycaemia. Cardiovascular Research, 2015, 106, 98-108.	3.8	55
46	Ceramide and Regulation of Vascular Tone. International Journal of Molecular Sciences, 2019, 20, 411.	4.1	55
47	Cardiovascular Effects of Isorhamnetin and Quercetin in Isolated Rat and Porcine Vascular Smooth Muscle and Isolated Rat Atria. Planta Medica, 2002, 68, 307-310.	1.3	54
48	Relaxant Effects of Carbon Monoxide Compared with Nitric Oxide in Pulmonary and Systemic Vessels of Newborn Piglets. Pediatric Research, 2000, 48, 546-553.	2.3	53
49	Role of acid sphingomyelinase and IL-6 as mediators of endotoxin-induced pulmonary vascular dysfunction. Thorax, 2017, 72, 460-471.	5.6	53
50	Role of tetrahydrobiopterin in pulmonary vascular remodelling associated with pulmonary fibrosis. Thorax, 2013, 68, 938-948.	5.6	52
51	miRâ€1 is increased in pulmonary hypertension and downregulates Kv1.5 channels in rat pulmonary arteries. Journal of Physiology, 2019, 597, 1185-1197.	2.9	51
52	Vasorelaxant Effects of the Bioflavonoid Chrysin in Isolated Rat Aorta. Planta Medica, 2001, 67, 567-569.	1.3	50
53	Effects of the Flavonoid Quercetin and its Methylated Metabolite Isorhamnetin in Isolated Arteries from Spontaneously Hypertensive Rats. Planta Medica, 2003, 69, 995-1000.	1.3	50
54	Endothelium-Dependent Vasodilator Effects of Peroxisome Proliferator-Activated Receptor Î² Agonists via the Phosphatidyl-Inositol-3 Kinase-Akt Pathway. Journal of Pharmacology and Experimental Therapeutics, 2010, 332, 554-561.	2.5	50

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55	Ontogeny of chicken ductus arteriosus response to oxygen and vasoconstrictors. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2007, 292, R485-R496.	1.8	47
56	Carotid body function and ventilatory responses in intermittent hypoxia. evidence for anomalous brainstem integration of arterial chemoreceptor input. Journal of Cellular Physiology, 2011, 226, 1961-1969.	4.1	47
57	Isoprostanes in fetal and neonatal health and disease. Free Radical Biology and Medicine, 2010, 48, 177-188.	2.9	45
58	Probiotic Bifidobacterium breve prevents DOCAâ€salt hypertension. FASEB Journal, 2020, 34, 13626-13640.	0.5	45
59	Vasodilator effects of visnagin in isolated rat vascular smooth muscle. European Journal of Pharmacology, 1995, 286, 115-122.	3.5	43
60	Different cardiovascular protective effects of quercetin administered orally or intraperitoneally in spontaneously hypertensive rats. Food and Function, 2012, 3, 643.	4.6	43
61	Carnitine palmitoyltransferase-1 up-regulation by PPAR-Î²/Î´ prevents lipid-induced endothelial dysfunction. Clinical Science, 2015, 129, 823-837.	4.3	42
62	Neutral sphingomyelinase, NADPH oxidase and reactive oxygen species. Role in acute hypoxic pulmonary vasoconstriction. Journal of Cellular Physiology, 2011, 226, 2633-2640.	4.1	41
63	Cardiovascular Effects of Flavonoids. Current Medicinal Chemistry, 2019, 26, 6991-7034.	2.4	41
64	Soy Isoflavones Improve Endothelial Function in Spontaneously Hypertensive Rats in an Estrogen-Independent Manner: Role of Nitric-Oxide Synthase, Superoxide, and Cyclooxygenase Metabolites. Journal of Pharmacology and Experimental Therapeutics, 2005, 314, 1300-1309.	2.5	40
65	Proteomic Study of Plasma from Moderate Hypercholesterolemic Patients. Journal of Proteome Research, 2006, 5, 2301-2308.	3.7	40
66	Quercetin and its metabolites inhibit the membrane NADPH oxidase activity in vascular smooth muscle cells from normotensive and spontaneously hypertensive rats. Food and Function, 2015, 6, 409-414.	4.6	40
67	Ceramide Mediates Acute Oxygen Sensing in Vascular Tissues. Antioxidants and Redox Signaling, 2014, 20, 1-14.	5.4	39
68	Î¼- and Î´-opioid receptor-mediated contractile effects on rat aortic vascular smooth muscle. European Journal of Pharmacology, 1995, 277, 99-105.	3.5	38
69	Red wine polyphenols prevent endothelial dysfunction induced by endothelin-1 in rat aorta: role of NADPH oxidase. Clinical Science, 2011, 120, 321-333.	4.3	38
70	Postnatal maturational shift from PKC? and voltage-gated K channels to RhoA/Rho kinase in pulmonary vasoconstriction. Cardiovascular Research, 2005, 66, 84-93.	3.8	35
71	Maturation of O₂ sensing and signaling in the chicken ductus arteriosus. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2009, 297, L619-L630.	2.9	33
72	Upregulation of SK3 and IK1 Channels Contributes to the Enhanced Endothelial Calcium Signaling and the Preserved Coronary Relaxation in Obese Zucker Rats. PLoS ONE, 2014, 9, e109432.	2.5	32

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73	<scp>PPAR</scp>Î² activation restores the high glucoseâ€induced impairment of insulin signalling in endothelial cells. British Journal of Pharmacology, 2014, 171, 3089-3102.	5.4	32
74	Different patterns of pulmonary vascular disease induced by type 1 diabetes and moderate hypoxia in rats. Experimental Physiology, 2012, 97, 676-686.	2.0	31
75	Lack of beneficial metabolic effects of quercetin in adult spontaneously hypertensive rats. European Journal of Pharmacology, 2010, 627, 242-250.	3.5	30
76	Postnatal Maturation of Phosphodiesterase 5 (PDE5) in Piglet Pulmonary Arteries: Activity, Expression, Effects of PDE5 Inhibitors, and Role of the Nitric Oxide/Cyclic GMP Pathway. Pediatric Research, 2004, 56, 563-570.	2.3	29
77	Vascular superoxide production by endothelin-1 requires Src non-receptor protein tyrosine kinase and MAPK activation. Atherosclerosis, 2010, 212, 78-85.	0.8	29
78	Chronic peroxisome proliferator-activated receptorÎ²/Î´ agonist GW0742 prevents hypertension, vascular inflammatory and oxidative status, and endothelial dysfunction in diet-induced obesity. Journal of Hypertension, 2015, 33, 1831-1844.	0.5	29
79	Group B Streptococcus and E. coli LPSâ€induced NOâ€dependent hyporesponsiveness to noradrenaline in isolated intrapulmonary arteries of neonatal piglets. British Journal of Pharmacology, 1995, 115, 261-266.	5.4	28
80	Effects of Visnadine on Rat Isolated Vascular Smooth Muscles. Planta Medica, 1997, 63, 233-236.	1.3	28
81	Involvement of thromboxane A₂ in the endotheliumâ€dependent contractions induced by myricetin in rat isolated aorta. British Journal of Pharmacology, 1999, 127, 1539-1544.	5.4	28
82	Mechanisms involved in SNP-induced relaxation and [Ca2+]i reduction in piglet pulmonary and systemic arteries. British Journal of Pharmacology, 2001, 132, 959-967.	5.4	28
83	Impact of Nutrition on Pulmonary Arterial Hypertension. Nutrients, 2020, 12, 169.	4.1	28
84	Inhibitory effects of quercetin and staurosporine on phasic contractions in rat vascular smooth muscle. European Journal of Pharmacology, 1994, 262, 149-156.	3.5	27
85	Role of K⁺ channel opening and stimulation of cyclic GMP in the vasorelaxant effects of nicorandil in isolated piglet pulmonary and mesenteric arteries: relative efficacy and interactions between both pathways. British Journal of Pharmacology, 1998, 123, 847-854.	5.4	27
86	Pharmacology of airways and vessels in lung slices in situ: role of endogenous dilator hormones. Respiratory Research, 2006, 7, 111.	3.6	26
87	Pulmonary Vascular Dysfunction Induced by High Tidal Volume Mechanical Ventilation*. Critical Care Medicine, 2013, 41, e149-e155.	0.9	26
88	Activation of Peroxisome Proliferator Activator Receptor Î²/Î´ Improves Endothelial Dysfunction and Protects Kidney in Murine Lupus. Hypertension, 2017, 69, 641-650.	2.7	26
89	Antihypertensive effects of peroxisome proliferator-activated receptor-Î²/Î´ activation. American Journal of Physiology - Heart and Circulatory Physiology, 2017, 312, H189-H200.	3.2	26
90	Ceramide inhibits K_v currents and contributes to TP-receptor-induced vasoconstriction in rat and human pulmonary arteries. American Journal of Physiology - Cell Physiology, 2011, 301, C186-C194.	4.6	25

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91	Role of UCP2 in the protective effects of PPARÎ²/Î´ activation on lipopolysaccharide-induced endothelial dysfunction. Biochemical Pharmacology, 2016, 110-111, 25-36.	4.4	25
92	Uncovered Contribution of Kv7 Channels to Pulmonary Vascular Tone in Pulmonary Arterial Hypertension. Hypertension, 2020, 76, 1134-1146.	2.7	25
93	Involvement of protein kinase C in reduced relaxant responses to the NO/cyclic GMP pathway in piglet pulmonary arteries contracted by the thromboxane A₂â€mimetic U46619. British Journal of Pharmacology, 1997, 121, 1323-1333.	5.4	24
94	Celecoxib blocks cardiac Kv1.5, Kv4.3 and Kv7.1 (KCNQ1) channels. Journal of Molecular and Cellular Cardiology, 2010, 49, 984-992.	1.9	24
95	Pulmonary arterial dysfunction in insulin resistant obese Zucker rats. Respiratory Research, 2011, 12, 51.	3.6	24
96	Effect of tyrosine kinase and tyrosine phosphatase inhibitors on aortic contraction and induction of nitric oxide synthase. European Journal of Pharmacology, 1997, 338, 25-33.	3.5	23
97	Nitric oxide- and nitric oxide donors-induced relaxation and its modulation by oxidative stress in piglet pulmonary arteries. British Journal of Pharmacology, 2001, 133, 615-624.	5.4	23
98	Genistein restores caveolin-1 and AT-1 receptor expression and vascular function in large vessels of ovariectomized hypertensive rats. Menopause, 2007, 14, 933-940.	2.0	23
99	Effects of peroxisome proliferator-activated receptor-Î² activation in endothelin-dependent hypertension. Cardiovascular Research, 2013, 99, 622-631.	3.8	23
100	Protective vascular effects of quercitrin in acute TNBS-colitis in rats: the role of nitric oxide. Food and Function, 2017, 8, 2702-2711.	4.6	23
101	Activation of K_v7 channels as a novel mechanism for NO/cGMPâ€induced pulmonary vasodilation. British Journal of Pharmacology, 2019, 176, 2131-2145.	5.4	23
102	Soluble guanylyl cyclase during postnatal porcine pulmonary maturation. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2005, 288, L125-L130.	2.9	22
103	LEVOSIMENDAN INCREASES PORTAL BLOOD FLOW AND ATTENUATES INTESTINAL INTRAMUCOSAL ACIDOSIS IN EXPERIMENTAL SEPTIC SHOCK. Shock, 2010, 34, 275-280.	2.1	22
104	New insights in the pharmacological therapy of arterial hypertension. Current Opinion in Nephrology and Hypertension, 2005, 14, 423-427.	2.0	21
105	Glucuronidated Metabolites of the Flavonoid Quercetin do not Auto-Oxidise, do not Generate Free Radicals and do not Decrease Nitric Oxide Bioavailability. Planta Medica, 2008, 74, 741-746.	1.3	21
106	Type 1 Diabetes-Induced Hyper-Responsiveness to 5-Hydroxytryptamine in Rat Pulmonary Arteries via Oxidative Stress and Induction of Cyclooxygenase-2. Journal of Pharmacology and Experimental Therapeutics, 2011, 338, 400-407.	2.5	21
107	Effects of Visnagin on Cyclic Nucleotide Phosphodiesterases and Their Role in its Inhibitory Effects on Vascular Smooth Muscle Contraction. General Pharmacology, 1999, 32, 71-74.	0.7	20
108	Total, Bioavailable, and Free Vitamin D Levels and Their Prognostic Value in Pulmonary Arterial Hypertension. Journal of Clinical Medicine, 2020, 9, 448.	2.4	20

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109	Role of Protein Kinase CÎ¶ and Its Adaptor Protein p62 in Voltage-Gated Potassium Channel Modulation in Pulmonary Arteries. Molecular Pharmacology, 2007, 72, 1301-1309.	2.3	19
110	HIV transgene expression impairs K⁺ channel function in the pulmonary vasculature. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2018, 315, L711-L723.	2.9	19
111	Reactive oxygen species as mediators of oxygen signaling during fetal-to-neonatal circulatory transition. Free Radical Biology and Medicine, 2019, 142, 82-96.	2.9	19
112	Vitamin D deficiency downregulates TASK-1 channels and induces pulmonary vascular dysfunction. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2020, 319, L627-L640.	2.9	19
113	Potassium (K+) channels in the pulmonary vasculature: Implications in pulmonary hypertension Physiological, pathophysiological and pharmacological regulation. , 2021, 225, 107835.		19
114	Effects of Several Class I Antiarrhythmic Drugs on Isolated Rat Aortic Vascular Smooth Muscle. General Pharmacology, 1997, 29, 539-543.	0.7	18
115	Age-Related Differences in Vasoconstrictor Responses to Isoprostanes in Piglet Pulmonary and Mesenteric Vascular Smooth Muscle. Pediatric Research, 2005, 57, 845-852.	2.3	18
116	Decreased expression of aortic KIR6.1 and SUR2B in hypertension does not correlate with changes in the functional role of KATP channels. European Journal of Pharmacology, 2008, 587, 204-208.	3.5	18
117	Hypoxia sensing in the fetal chicken femoral artery is mediated by the mitochondrial electron transport chain. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2010, 298, R1026-R1034.	1.8	18
118	Lack of synergistic interaction between quercetin and catechin in systemic and pulmonary vascular smooth muscle. British Journal of Nutrition, 2011, 105, 1287-1293.	2.3	18
119	Impact of Vitamin D Deficit on the Rat Gut Microbiome. Nutrients, 2019, 11, 2564.	4.1	18
120	Effects of flecainide on isolated vascular smooth muscles of rat. British Journal of Pharmacology, 1991, 104, 726-730.	5.4	17
121	Effects of the novel potassium channel opener, URâ€8225, on contractile responses in rat isolated smooth muscle. British Journal of Pharmacology, 1993, 110, 1165-1171.	5.4	17
122	Vascular Selectivity of Seven Prototype Calcium Antagonists. Journal of Cardiovascular Pharmacology, 1993, 22, 768-775.	1.9	16
123	Cytosolic Ca2+ and Phosphoinositide Hydrolysis Linked to Constitutively Active Î±1d-Adrenoceptors in Vascular Smooth Muscle. Journal of Pharmacology and Experimental Therapeutics, 2003, 305, 1006-1014.	2.5	16
124	Activation of BKCa channels by nitric oxide prevents coronary artery endothelial dysfunction in ouabain-induced hypertensive rats. Journal of Hypertension, 2009, 27, 83-91.	0.5	16
125	Response of Chicken Ductus Arteriosus to Hypercarbic and Normocarbic Acidosis. Neonatology, 2010, 98, 47-56.	2.0	16
126	Vascular and Central Activation of Peroxisome Proliferator-Activated Receptor-Â Attenuates Angiotensin II-Induced Hypertension: Role of RGS-5. Journal of Pharmacology and Experimental Therapeutics, 2016, 358, 151-163.	2.5	16

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127	Effects of Group B Streptococcus on the Responses to U46619, Endothelin-1, and Noradrenaline in Isolated Pulmonary and Mesenteric Arteries of Piglets1. Pediatric Research, 1996, 40, 827-833.	2.3	16
128	Effects of Antihypertensive Drugs on Blood Pressure and Metabolic Alterations in the Fructose-Induced Hypertensive Rat. American Journal of Hypertension, 1996, 9, 669-674.	2.0	15
129	Lack of Endotoxin-Induced Hyporesponsiveness to U46619 in Isolated Neonatal Porcine Pulmonary but Not Mesenteric Arteries. Journal of Vascular Research, 1996, 33, 249-257.	1.4	15
130	Effects of nicorandil as compared to mixtures of sodium nitroprusside and levcromakalim in isolated rat aorta. British Journal of Pharmacology, 1999, 126, 1025-1033.	5.4	15
131	Cirrhosis decreases vasoconstrictor response to electrical field stimulation in rat mesenteric artery: role of calcitonin gene-related peptide. Experimental Physiology, 2011, 96, 275-286.	2.0	15
132	Riociguat versus sildenafil on hypoxic pulmonary vasoconstriction and ventilation/perfusion matching. PLoS ONE, 2018, 13, e0191239.	2.5	15
133	Vasodilator effects of sodium nitroprusside, levcromakalim and their combination in isolated rat aorta. British Journal of Pharmacology, 1999, 128, 1419-1426.	5.4	14
134	Flavonoids and cardiovascular diseases. Studies in Natural Products Chemistry, 2001, 25, 565-605.	1.8	14
135	Antioxidant effect of human adult adipose-derived stromal stem cells in alveolar epithelial cells undergoing stretch. Respiratory Physiology and Neurobiology, 2013, 188, 1-8.	1.6	14
136	miR-1 induces endothelial dysfunction in rat pulmonary arteries. Journal of Physiology and Biochemistry, 2019, 75, 519-529.	3.0	14
137	Effects of propafenone on ⁴⁵Ca movements and contractile responses in vascular smooth muscle. British Journal of Pharmacology, 1991, 103, 1453-1457.	5.4	13
138	Effects of (S)-nafenodone, a new antidepressant, in isolated guinea-pig atrial and ventricular muscle fibres. European Journal of Pharmacology, 1991, 199, 43-50.	3.5	13
139	Elevated pulmonary arterial pressure in Zucker diabetic fatty rats. PLoS ONE, 2019, 14, e0211281.	2.5	13
140	Spontaneous Pulmonary Hypertension Associated With Systemic Sclerosis in Pâ€Selectin Glycoprotein Ligand 1â€“Deficient Mice. Arthritis and Rheumatology, 2020, 72, 477-487.	5.6	13
141	Postnatal maturation in nitric oxide-induced pulmonary artery relaxation involving cyclooxygenase-1 activity. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2002, 283, L839-L848.	2.9	13
142	Effects of (S)-nafenodone on 45Ca2+ fluxes and contractions in rat isolated vascular smooth muscle. European Journal of Pharmacology, 1993, 232, 105-111.	3.5	12
143	Acute and Chronic Captopril, but Not Prazosin or Nifedipine, Normalize Alterations in Adrenergic Intracellular Ca2+ Handling Observed in the Mesenteric Arterial Tree of Spontaneously Hypertensive Rats. Journal of Pharmacology and Experimental Therapeutics, 2005, 313, 359-367.	2.5	12
144	Kv7 Channels in Lung Diseases. Frontiers in Physiology, 2020, 11, 634.	2.8	12

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145	Underlying mechanisms preserving coronary basal tone and NO-mediated relaxation in obesity: Involvement of Î²1 subunit-mediated upregulation of BKCa channels. Atherosclerosis, 2017, 263, 227-236.	0.8	11
146	Metabolic syndrome inhibits store-operated Ca2+ entry and calcium-induced calcium-release mechanism in coronary artery smooth muscle. Biochemical Pharmacology, 2020, 182, 114222.	4.4	11
147	In Vitro Effects of Magnesium Sulfate in Isolated Intrapulmonary and Mesenteric Arteries of Piglets. Pediatric Research, 1996, 39, 1107-1112.	2.3	11
148	Effects of Oleuropeoside in Isolated Guinea-Pig Atria. Planta Medica, 1993, 59, 318-322.	1.3	10
149	Rapid degradation of endothelin-1 by an enzyme released by the rat isolated perfused mesentery. British Journal of Pharmacology, 1995, 114, 867-871.	5.4	10
150	Activation of PPARÎ²/Î´ prevents hyperglycaemia-induced impairment of Kv7 channels and cAMP-mediated relaxation in rat coronary arteries. Clinical Science, 2016, 130, 1823-1836.	4.3	10
151	Transcriptomic profile of cationic channels in human pulmonary arterial hypertension. Scientific Reports, 2021, 11, 15829.	3.3	10
152	Stereoselective effects of the enantiomers, quinidine and quinine, on depolarizationâ€•and agonistâ€•mediated responses in rat isolated aorta. British Journal of Pharmacology, 1996, 117, 105-110.	5.4	9
153	Effects of Quercetin in a Rat Model of Hemorrhagic Traumatic Shock and Reperfusion. Molecules, 2016, 21, 1739.	3.8	9
154	Hypoxia-induced contraction of chicken embryo mesenteric arteries: mechanisms and developmental changes. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2016, 311, R858-R869.	1.8	9
155	Pulmonary Vascular Function in Insulin Resistance and Diabetes. Current Vascular Pharmacology, 2014, 12, 473-482.	1.7	9
156	Pulmonary Artery Vasoconstriction but not [Ca2+]i Signal Stimulated by Thromboxane A2 Is Partially Resistant to NO. Pediatric Research, 2001, 50, 508-514.	2.3	8
157	Dietary Cocoa Prevents Aortic Remodeling and Vascular Oxidative Stress in Diabetic Rats. Molecular Nutrition and Food Research, 2019, 63, e1900044.	3.3	8
158	Restoration of Vitamin D Levels Improves Endothelial Function and Increases TASK-Like K+ Currents in Pulmonary Arterial Hypertension Associated with Vitamin D Deficiency. Biomolecules, 2021, 11, 795.	4.0	8
159	Extracellular Vesicles and Alveolar Epithelial-Capillary Barrier Disruption in Acute Respiratory Distress Syndrome: Pathophysiological Role and Therapeutic Potential. Frontiers in Physiology, 2021, 12, 752287.	2.8	8
160	Hypoxic pulmonary vasoconstriction, carotid body function and erythropoietin production in adult rats perinatally exposed to hyperoxia. Journal of Physiology, 2015, 593, 2459-2477.	2.9	7
161	Effects of aminophylline on contractions and 45Ca uptake in isolated rat vascular smooth muscle. General Pharmacology, 1992, 23, 601-606.	0.7	6
162	Pulmonary versus systemic effects of vasodilator drugs: an in vitro study in isolated intrapulmonary and mesenteric arteries of neonatal piglets. European Journal of Pharmacology, 1996, 314, 91-98.	3.5	6

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