Paul M Vanhoutte

List of Publications by Year
in descending order

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413 papers	27,775 citations	4136 87 h-index	7944 149 g-index
418 all docs	418 docs citations	418 times ranked	20199 citing authors

#	Article	IF	Citations
1	Endotheliumâ€derived relaxing and contracting factors. FASEB Journal, 1989, 3, 2007-2018.	0.2	1,800
2	Endothelial dysfunction in diabetes. British Journal of Pharmacology, 2000, 130, 963-974.	2.7	966
3	EDHF: bringing the concepts together. Trends in Pharmacological Sciences, 2002, 23, 374-380.	4.0	731
4	Endotheliumâ€dependent hyperpolarization of canine coronary smooth muscle. British Journal of Pharmacology, 1988, 93, 515-524.	2.7	718
5	Endothelial dysfunction: a multifaceted disorder (The Wiggers Award Lecture). American Journal of Physiology - Heart and Circulatory Physiology, 2006, 291, H985-H1002.	1.5	668
6	Vascular nitric oxide: Beyond eNOS. Journal of Pharmacological Sciences, 2015, 129, 83-94.	1.1	555
7	Endothelium-Derived Hyperpolarizing Factor. Arteriosclerosis, Thrombosis, and Vascular Biology, 2006, 26, 1215-1225.	1.1	420
8	Endothelial Dysfunction The First Step Toward Coronary Arteriosclerosis. Circulation Journal, 2009, 73, 595-601.	0.7	414
9	Endothelial Dysfunction: From Physiology to Therapy. Journal of Molecular and Cellular Cardiology, 1999, 31, 61-74.	0.9	413
10	Endothelium-Dependent Hyperpolarization. Circulation, 1995, 92, 3337-3349.	1.6	389
11	Macroâ€and microvascular endothelial dysfunction in diabetes. Journal of Diabetes, 2017, 9, 434-449.	0.8	345
12	Thirty Years of Saying NO. Circulation Research, 2016, 119, 375-396.	2.0	320
13	Endotheliumâ€mediated control of vascular tone: COXâ€1 and COXâ€2 products. British Journal of Pharmacology, 2011, 164, 894-912.	2.7	304
14	The Endothelium â€" Modulator of Vascular Smooth-Muscle Tone. New England Journal of Medicine, 1988, 319, 512-513.	13.9	291
15	EDHF: an update. Clinical Science, 2009, 117, 139-155.	1.8	289
16	SIRT1 Promotes Proliferation and Prevents Senescence Through Targeting LKB1 in Primary Porcine Aortic Endothelial Cells. Circulation Research, 2010, 106, 1384-1393.	2.0	265
17	Lipocalin-2 Deficiency Attenuates Insulin Resistance Associated With Aging and Obesity. Diabetes, 2010, 59, 872-882.	0.3	252
18	Endothelium-dependent contractions in hypertension. British Journal of Pharmacology, 2005, 144, 449-458.	2.7	250

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19	Vascular effects of adiponectin: molecular mechanisms and potential therapeutic intervention. Clinical Science, 2008, 114, 361-374.	1.8	245
20	Role of potassium in regulating blood flow and blood pressure. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2006, 290, R546-R552.	0.9	232
21	Cellular signaling and NO production. Pflugers Archiv European Journal of Physiology, 2010, 459, 807-816.	1.3	230
22	Adiponectin and cardiovascular health: an update. British Journal of Pharmacology, 2012, 165, 574-590.	2.7	219
23	Acetylcholine-induced endothelium-dependent contractions in the SHR aorta: the Janus face of prostacyclin. British Journal of Pharmacology, 2005, 146, 834-845.	2.7	207
24	Neuronal Nitric Oxide Synthase Is Expressed in Rat Vascular Smooth Muscle Cells. Circulation Research, 1998, 83, 1271-1278.	2.0	199
25	Endothelium-Removal Decreases Relaxations of Canine Coronary Arteries Caused by Î²-Adrenergic Agonists and Adenosine. Journal of Cardiovascular Pharmacology, 1985, 7, 139-144.	0.8	196
26	Cyclooxygenase-2â€“Derived Prostaglandin F _{2Î±} Mediates Endothelium-Dependent Contractions in the Aortae of Hamsters With Increased Impact During Aging. Circulation Research, 2009, 104, 228-235.	2.0	185
27	Acetylcholine-induced relaxation in blood vessels from endothelial nitric oxide synthase knockout mice. British Journal of Pharmacology, 1999, 126, 219-226.	2.7	183
28	The end of the quest?. Nature, 1987, 327, 459-460.	13.7	176
29	Thrombin enhances the release of endothelin from cultured porcine aortic endothelial cells. European Journal of Pharmacology, 1989, 165, 333-334.	1.7	172
30	Alterations in endothelium-dependent responsiveness of the canine basilar artery after subarachnoid hemorrhage. Journal of Neurosurgery, 1988, 69, 239-246.	0.9	159
31	Endotheliumâ€derived factors and hyperpolarization of the carotid artery of the guineaâ€pig. British Journal of Pharmacology, 1996, 119, 959-964.	2.7	155
32	Characterization of a charybdotoxin-sensitive intermediate conductance Ca2+ -activated K+ channel in porcine coronary endothelium: relevance to EDHF. British Journal of Pharmacology, 2002, 137, 1346-1354.	2.7	153
33	Nebivolol Induces Endothelium Dependent RelaxatÃons of Canine Coronary Arteries. Journal of Cardiovascular Pharmacology, 1991, 17, 964-969.	0.8	152
34	Gene expression changes of prostanoid synthases in endothelial cells and prostanoid receptors in vascular smooth muscle cells caused by aging and hypertension. Physiological Genomics, 2008, 32, 409-418.	1.0	152
35	Calcitriol protects renovascular function in hypertension by down-regulating angiotensin II type 1 receptors and reducing oxidative stress. European Heart Journal, 2012, 33, 2980-2990.	1.0	149
36	Endothelium-Dependent Contractions Are Associated With Both Augmented Expressionof Prostaglandin H Synthase-1 and Hypersensitivity to Prostaglandin H ₂ in the SHR Aorta. Circulation Research, 1995, 76, 1003-1010.	2.0	148

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37	Oxygen-derived free radicals mediate endothelium-dependent contractions to acetylcholine in aortas from spontaneously hypertensive rats. British Journal of Pharmacology, 2002, 136, 104-110.	2.7	147
38	SIRT1 and AMPK in regulating mammalian senescence: A critical review and a working model. FEBS Letters, 2011, 585, 986-994.	1.3	147
39	Acetaminophen Increases Blood Pressure in Patients With Coronary Artery Disease. Circulation, 2010, 122, 1789-1796.	1.6	146
40	Endothelium-derived Vasoactive Factors and Hypertension: Possible Roles in Pathogenesis and as Treatment Targets. Current Hypertension Reports, 2010, 12, 267-275.	1.5	143
41	Endothelial dysfunction: a strategic target in the treatment of hypertension?. Pflugers Archiv European Journal of Physiology, 2010, 459, 995-1004.	1.3	142
42	Nitric oxide: Orchestrator of endothelium-dependent responses. Annals of Medicine, 2012, 44, 694-716.	1.5	141
43	Berberine prevents hyperglycemia-induced endothelial injury and enhances vasodilatation via adenosine monophosphate-activated protein kinase and endothelial nitric oxide synthase. Cardiovascular Research, 2009, 82, 484-492.	1.8	140
44	Endotheliumâ€dependent contractions: when a good guy turns bad!. Journal of Physiology, 2008, 586, 5295-5304.	1.3	138
45	Endotheliumâ€dependent contractions in SHR: a tale of prostanoid TP and IP receptors. British Journal of Pharmacology, 2009, 156, 563-574.	2.7	138
46	Adipocyte Fatty Acid-binding Protein Modulates Inflammatory Responses in Macrophages through a Positive Feedback Loop Involving c-Jun NH2-terminal Kinases and Activator Protein-1. Journal of Biological Chemistry, 2010, 285, 10273-10280.	1.6	136
47	Prostacyclin releases endotheliumâ€derived relaxing factor and potentiates its action in coronary arteries of the pig. British Journal of Pharmacology, 1988, 95, 1197-1203.	2.7	133
48	Endothelium-Dependent Responses in Hypertension.. Hypertension Research, 1995, 18, 87-98.	1.5	130
49	Endotheliumâ€dependent hyperpolarizations: Past beliefs and present facts. Annals of Medicine, 2007, 39, 495-516.	1.5	128
50	Endothelial Î±2-adrenoceptors in canine pulmonary and systemic blood vessels. European Journal of Pharmacology, 1985, 118, 123-129.	1.7	126
51	Vascular endothelium: Vasoactive mediators. Progress in Cardiovascular Diseases, 1996, 39, 229-238.	1.6	126
52	Endothelium-derived Hyperpolarizing Factor and Endothelium-dependent Relaxations. American Journal of Respiratory Cell and Molecular Biology, 1993, 8, 1-6.	1.4	122
53	EDHF: new therapeutic targets?. Pharmacological Research, 2004, 49, 565-580.	3.1	121
54	Bone Morphogenic Protein-4 Impairs Endothelial Function Through Oxidative Stressâ€“Dependent Cyclooxygenase-2 Upregulation. Circulation Research, 2010, 107, 984-991.	2.0	121

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55	Endothelial Control of Vasomotor Function-From Health to Coronary Disease-. Circulation Journal, 2003, 67, 572-575.	0.7	119
56	Acacetin, a Natural Flavone, Selectively Inhibits Human Atrial Repolarization Potassium Currents and Prevents Atrial Fibrillation in Dogs. Circulation, 2008, 117, 2449-2457.	1.6	119
57	Interaction between 5-hydroxytryptamine and other vasoconstrictor substances in the isolated femoral artery of the rabbit; effect of ketanserin (R 41 468). European Journal of Pharmacology, 1982, 77, 281-287.	1.7	118
58	APPL1 Potentiates Insulin-Mediated Inhibition of Hepatic Glucose Production and Alleviates Diabetes via Akt Activation in Mice. Cell Metabolism, 2009, 9, 417-427.	7.2	118
59	Imbalance in the Synthesis of Collagen Type I and Collagen Type III in Smooth Muscle Cells Derived from Human Varicose Veins. Journal of Vascular Research, 2001, 38, 560-568.	0.6	117
60	Inhibition by Acetylcholine of Adrenergic Neurotransmission in Vascular Smooth Muscle. Circulation Research, 1974, 34, 317-326.	2.0	113
61	The Alternative: EDHF. Journal of Molecular and Cellular Cardiology, 1999, 31, 15-22.	0.9	112
62	Endothelium-derived contracting factor: endothelin and/or superoxide anion?. Trends in Pharmacological Sciences, 1988, 9, 229-230.	4.0	110
63	Endothelium-derived free radicals: for worse and for better. Journal of Clinical Investigation, 2001, 107, 23-25.	3.9	110
64	Puerarin, an isoflavonoid derived from Radix puerariae, potentiates endothelium-independent relaxation via the cyclic AMP pathway in porcine coronary artery. European Journal of Pharmacology, 2006, 552, 105-111.	1.7	108
65	Vitamin D derivatives acutely reduce endothelium-dependent contractions in the aorta of the spontaneously hypertensive rat. American Journal of Physiology - Heart and Circulatory Physiology, 2008, 295, H289-H296.	1.5	108
66	Adiponectin Prevents Diabetic Premature Senescence of Endothelial Progenitor Cells and Promotes Endothelial Repair by Suppressing the p38 MAP Kinase/p16INK4A Signaling Pathway. Diabetes, 2010, 59, 2949-2959.	0.3	106
67	Adiponectin Is Required for PPARÎ³-Mediated Improvement of Endothelial Function in Diabetic Mice. Cell Metabolism, 2011, 14, 104-115.	7.2	106
68	A Diffusible Substance(s) Mediates Endothelium-Dependent Contractions in the Aorta of SHR. Hypertension, 2003, 41, 143-148.	1.3	105
69	Identification and characterization of proteins interacting with SIRT1 and SIRT3: implications in the antiâ€aging and metabolic effects of sirtuins. Proteomics, 2009, 9, 2444-2456.	1.3	105
70	Alpha2-adrenoceptors and endothelium-derived relaxing factor. American Journal of Medicine, 1989, 87, S1-S5.	0.6	103
71	Rapid and Body Weightâ€“Independent Improvement of Endothelial and High-Density Lipoprotein Function After Roux-en-Y Gastric Bypass. Circulation, 2015, 131, 871-881.	1.6	103
72	Release of endothelium-derived relaxing factor after subarachnoid hemorrhage. Journal of Neurosurgery, 1989, 70, 108-114.	0.9	101

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73	Potassium ions and endothelium-derived hyperpolarizing factor in guinea-pig carotid and porcine coronary arteries. British Journal of Pharmacology, 1999, 127, 27-34.	2.7	101
74	Synthesis of Collagen Is Dysregulated in Cultured Fibroblasts Derived From Skin of Subjects With Varicose Veins as It Is in Venous Smooth Muscle Cells. Circulation, 2002, 106, 479-483.	1.6	101
75	Adiponectin and adipocyte fatty acid binding protein in the pathogenesis of cardiovascular disease. American Journal of Physiology - Heart and Circulatory Physiology, 2012, 302, H1231-H1240.	1.5	101
76	Prostanoids and reactive oxygen species: Team players in endothelium-dependent contractions. , 2009, 122, 140-149.		99
77	Endothelium-Dependent Relaxations in Human Arteries. Mayo Clinic Proceedings, 1987, 62, 601-606.	1.4	98
78	Indomethacin Improves the Impaired Endothelium-dependent Relaxations in Small Mesenteric Arteries of the Spontaneously Hypertensive Rat. American Journal of Hypertension, 1990, 3, 55-58.	1.0	98
79	The WHO classification of calcium antagonists. Trends in Pharmacological Sciences, 1987, 8, 4-5.	4.0	96
80	Toll-Like Receptor 4 Mutation Protects Obese Mice Against Endothelial Dysfunction by Decreasing NADPH Oxidase Isoforms 1 and 4. Arteriosclerosis, Thrombosis, and Vascular Biology, 2013, 33, 777-784.	1.1	96
81	Endothelium-Dependent Contractions Occur in the Aorta of Wild-Type and COX2â^'/â^' Knockout But Not COX1â^'/â^' Knockout Mice. Journal of Cardiovascular Pharmacology, 2005, 46, 761-765.	0.8	94
82	Epithelium-derived Relaxing Factor(s) and Bronchial Reactivity. The American Review of Respiratory Disease, 1988, 138, S24-S30.	2.9	92
83	The induction of nitric oxide synthase activity is inhibited by TGF-Î²1, PDGFAB and PDGFBB in vascular smooth muscle cells. European Journal of Pharmacology, 1992, 216, 379-383.	1.7	92
84	N-Acetylcysteine and allopurinol up-regulated the Jak/STAT3 and PI3K/Akt pathways via adiponectin and attenuated myocardial postischemic injury in diabetes. Free Radical Biology and Medicine, 2013, 63, 291-303.	1.3	92
85	Inhibitors of the cytochrome P450â€monoâ€oxygenase and endotheliumâ€dependent hyperpolarizations in the guineaâ€pig isolated carotid artery. British Journal of Pharmacology, 1996, 117, 607-610.	2.7	90
86	Vasoconstrictor prostanoids. Pflugers Archiv European Journal of Physiology, 2010, 459, 941-950.	1.3	90
87	Mediation by M₃â€muscarinic receptors of both endotheliumâ€dependent contraction and relaxation to acetylcholine in the aorta of the spontaneously hypertensive rat. British Journal of Pharmacology, 1994, 112, 519-524.	2.7	89
88	Endothelium-Dependent Contractions in Hypertension. Hypertension, 2011, 57, 526-531.	1.3	89
89	Cyclin-Dependent Kinase 5â€“Mediated Hyperphosphorylation of Sirtuin-1 Contributes to the Development of Endothelial Senescence and Atherosclerosis. Circulation, 2012, 126, 729-740.	1.6	89
90	Epoxyeicosatrienoic acids, potassium channel blockers and endothelium-dependent hyperpolarization in the guinea-pig carotid artery. British Journal of Pharmacology, 1998, 123, 574-580.	2.7	88

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91	Bradykinin-induced, endothelium-dependent responses in porcine coronary arteries: involvement of potassium channel activation and epoxyeicosatrienoic acids. British Journal of Pharmacology, 2005, 145, 775-784.	2.7	88
92	Oxidized Low-Density Lipoprotein Activates p66 ^{Shc} via Lectin-Like Oxidized Low-Density Lipoprotein Receptor-1, Protein Kinase C-Î², and c-Jun N-Terminal Kinase Kinase in Human Endothelial Cells. Arteriosclerosis, Thrombosis, and Vascular Biology, 2011, 31, 2090-2097.	1.1	87
93	Hypercholesterolemia causes generalized impairment of endothelium-dependent relaxation to aggregating platelets in porcine arteries. Journal of the American College of Cardiology, 1989, 13, 1402-1408.	1.2	86
94	Stimulation of cyclic GMP production in cultured endothelial cells of the pig by bradykinin, adenosine diphosphate, calcium ionophore A23187 and nitric oxide. British Journal of Pharmacology, 1990, 101, 152-156.	2.7	86
95	Endothelium-Dependent Relaxations of Piglet Pulmonary Arteries Augment with Maturation. Pediatric Research, 1991, 30, 176-180.	1.1	86
96	Selective Elevation of Adiponectin Production by the Natural Compounds Derived from a Medicinal Herb Alleviates Insulin Resistance and Glucose Intolerance in Obese Mice. Endocrinology, 2009, 150, 625-633.	1.4	86
97	Endothelial Cell Signaling and Endothelial Dysfunction. American Journal of Hypertension, 1995, 8, 28S-41S.	1.0	81
98	Chronic administration of BMS309403 improves endothelial function in apolipoprotein Eâ€deficient mice and in cultured human endothelial cells. British Journal of Pharmacology, 2011, 162, 1564-1576.	2.7	80
99	Beta blockers, nitric oxide, and cardiovascular disease. Current Opinion in Pharmacology, 2013, 13, 265-273.	1.7	80
100	Spasm of the Coronary Arteries: Causes and Consequences (the Scientist's Viewpoint). Mayo Clinic Proceedings, 1985, 60, 33-46.	1.4	79
101	Alterations of mechanical properties in canine basilar arteries after subarachnoid hemorrhage. Journal of Neurosurgery, 1989, 71, 430-436.	0.9	78
102	Endothelium-dependent hyperpolarizations: the history. Pharmacological Research, 2004, 49, 503-508.	3.1	77
103	Chronic treatment with vitamin D lowers arterial blood pressure and reduces endothelium-dependent contractions in the aorta of the spontaneously hypertensive rat. American Journal of Physiology - Heart and Circulatory Physiology, 2010, 299, H1226-H1234.	1.5	77
104	Oxidative Stress-Dependent Cyclooxygenase-2-Derived Prostaglandin F_{2Î±} Impairs Endothelial Function in Renovascular Hypertensive Rats. Antioxidants and Redox Signaling, 2012, 16, 363-373.	2.5	77
105	Role of SKCa and IKCa in endothelium-dependent hyperpolarizations of the guinea-pig isolated carotid artery. British Journal of Pharmacology, 2005, 144, 477-485.	2.7	75
106	Endothelial Adrenoceptors. Journal of Cardiovascular Pharmacology, 2001, 38, 796-808.	0.8	72
107	Endothelium-Selective Activation of AMP-Activated Protein Kinase Prevents Diabetes Mellitusâ€“Induced Impairment in Vascular Function and Reendothelialization via Induction of Heme Oxygenase-1 in Mice. Circulation, 2012, 126, 1267-1277.	1.6	72
108	Senescence of Cultured Porcine Coronary Arterial Endothelial Cells Is Associated with Accelerated Oxidative Stress and Activation of NFÄ¸B. Journal of Vascular Research, 2010, 47, 287-298.	0.6	70

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109	PKCÎ² inhibition with ruboxistaurin reduces oxidative stress and attenuates left ventricular hypertrophy and dysfuntion in rats with streptozotocin-induced diabetes. Clinical Science, 2012, 122, 161-173.	1.8	70
110	The elusory role of serotonin in vascular function and disease. Biochemical Pharmacology, 1983, 32, 3671-3674.	2.0	68
111	The expert committee of the World Health Organization on classification of calcium antagonists: The viewpoint of the raporteur. American Journal of Cardiology, 1987, 59, A3-A8.	0.7	66
112	In SHR aorta, calcium ionophore A-23187 releases prostacyclin and thromboxane A2 as endothelium-derived contracting factors. American Journal of Physiology - Heart and Circulatory Physiology, 2006, 291, H2255-H2264.	1.5	66
113	Rap1 induces cytokine production in pro-inflammatory macrophages through NFÎºB signaling and is highly expressed in human atherosclerotic lesions. Cell Cycle, 2015, 14, 3580-3592.	1.3	66
114	Old-timer makes a comeback. Nature, 1998, 396, 213-216.	13.7	65
115	How We Learned to Say NO. Arteriosclerosis, Thrombosis, and Vascular Biology, 2009, 29, 1156-1160.	1.1	65
116	Phenotypic and Functional Changes in Regenerated Porcine Coronary Endothelial Cells. Circulation Research, 2000, 86, 854-861.	2.0	64
117	Augmented Endothelium-Derived Hyperpolarizing Factor-Mediated Relaxations Attenuate Endothelial Dysfunction in Femoral and Mesenteric, but Not in Carotid Arteries from Type I Diabetic Rats. Journal of Pharmacology and Experimental Therapeutics, 2006, 318, 276-281.	1.3	64
118	Two isoforms of cyclooxygenase contribute to augmented endothelium-dependent contractions in femoral arteries of 1-year-old rats. Acta Pharmacologica Sinica, 2008, 29, 185-192.	2.8	64
119	A matter of life and breath. Nature, 1994, 368, 693-694.	13.7	63
120	Acetylcholine and sodium nitroprusside cause long-term inhibition of EDCF-mediated contractions. American Journal of Physiology - Heart and Circulatory Physiology, 2005, 289, H2434-H2440.	1.5	61
121	Anti-inflammation Therapy by Activation of Prostaglandin EP4 Receptor in Cardiovascular and Other Inflammatory Diseases. Journal of Cardiovascular Pharmacology, 2012, 59, 116-123.	0.8	61
122	N-Acetylcysteine and Allopurinol Confer Synergy in Attenuating Myocardial Ischemia Injury via Restoring HIF-1Î±/HO-1 Signaling in Diabetic Rats. PLoS ONE, 2013, 8, e68949.	1.1	61
123	Endothelium-Derived Hyperpolarizing Factor. Journal of Vascular Research, 1990, 27, 238-245.	0.6	60
124	The role of prostaglandin E and thromboxane-prostanoid receptors in the response to prostaglandin E2 in the aorta of Wistar Kyoto rats and spontaneously hypertensive rats. Cardiovascular Research, 2008, 78, 130-138.	1.8	60
125	APPL1 Counteracts Obesity-Induced Vascular Insulin Resistance and Endothelial Dysfunction by Modulating the Endothelial Production of Nitric Oxide and Endothelin-1 in Mice. Diabetes, 2011, 60, 3044-3054.	0.3	60
126	ENDOTHELIUM-DERIVED HYPERPOLARIZING FACTOR. Clinical and Experimental Pharmacology and Physiology, 1996, 23, 1082-1090.	0.9	59

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127	Chronic exposure of cultured endothelial cells to eicosapentaenoic acid potentiates the release of endotheliumâ€derived relaxing factor(s). British Journal of Pharmacology, 1990, 99, 176-180.	2.7	58
128	Genomic Changes in Regenerated Porcine Coronary Arterial Endothelial Cells. Arteriosclerosis, Thrombosis, and Vascular Biology, 2007, 27, 2443-2449.	1.1	58
129	Vasoconstrictor activity of coronary sinus plasma from patients with coronary artery disease. Journal of the American College of Cardiology, 1987, 9, 1243-1249.	1.2	57
130	Endotheliumâ€dependent relaxation and hyperpolarization evoked by bradykinin in canine coronary arteries: enhancement by exerciseâ€training. British Journal of Pharmacology, 1996, 117, 413-418.	2.7	57
131	Endothelium-dependent contractions to acetylcholine, ATP and the calcium ionophore A 23187 in aortas from spontaneously hypertensive and normotensive rats. Fundamental and Clinical Pharmacology, 2004, 18, 321-326.	1.0	57
132	Lipocalinâ€2 deficiency prevents endothelial dysfunction associated with dietary obesity: role of cytochrome P450 2C inhibition. British Journal of Pharmacology, 2012, 165, 520-531.	2.7	57
133	Vascular smooth muscle cell apoptosis is an early trigger for hypothyroid atherosclerosis. Cardiovascular Research, 2014, 102, 448-459.	1.8	57
134	Venous Disease: From Pathophysiology to Quality of Life. Angiology, 1997, 48, 559-567.	0.8	56
135	Vasodilator and vasoconstrictor substances produced by the endothelium. Reviews of Physiology, Biochemistry and Pharmacology, 1993, 122, 1-67.	0.9	55
136	Differential Ligand Binding Affinities of Human Estrogen Receptor-Î± Isoforms. PLoS ONE, 2013, 8, e63199.	1.1	55
137	Platelet-Derived Serotonin, the Endothelium, and Cardiovascular Disease. Journal of Cardiovascular Pharmacology, 1991, 17, S13.	0.8	54
138	G Proteins and Endothelium-Dependent Relaxations. Journal of Vascular Research, 1997, 34, 175-185.	0.6	54
139	Deamidated Lipocalinâ€2 Induces Endothelial Dysfunction and Hypertension in Dietary Obese Mice. Journal of the American Heart Association, 2014, 3, e000837.	1.6	54
140	Adipocyte fatty acid-binding protein exacerbates cerebral ischaemia injury by disrupting the bloodâ€“brain barrier. European Heart Journal, 2020, 41, 3169-3180.	1.0	54
141	How to assess endothelial function in human blood vessels. Journal of Hypertension, 1999, 17, 1047-1058.	0.3	53
142	Kinins and Endothelium-Dependent Relaxations to Converting Enzyme Inhibitors in Perfused Canine Arteries. Journal of Cardiovascular Pharmacology, 1991, 18, 926-927.	0.8	52
143	Calmidazolium, a calmodulin inhibitor, inhibits endotheliumâ€dependent relaxations resistant to nitroâ€<scp>l</scp>â€arginine in the canine coronary artery. British Journal of Pharmacology, 1992, 107, 387-392.	2.7	52
144	The Thromboxane/Endoperoxide Receptor (TP): The Common Villain. Journal of Cardiovascular Pharmacology, 2010, 55, 317-332.	0.8	52

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145	cIMP synthesized by sGC as a mediator of hypoxic contraction of coronary arteries. American Journal of Physiology - Heart and Circulatory Physiology, 2014, 307, H328-H336.	1.5	52
146	Toll-like receptors mediating vascular malfunction: Lessons from receptor subtypes. , 2016, 158, 91-100.		52
147	Angiographic demonstration of hyperconstriction induced by serotonin and aggregating platelets in porcine coronary arteries with regenerated endothelium. Journal of the American College of Cardiology, 1991, 17, 1197-1202.	1.2	50
148	Effect of cold on the blood vessel wall. General Pharmacology, 1983, 14, 61-64.	0.7	49
149	Vascular Actions of Adipokines. Advances in Pharmacology, 2010, 60, 229-255.	1.2	49
150	Snaring of the Target Vessel in Less Invasive Bypass Operations Does Not Cause Endothelial Dysfunction. Annals of Thoracic Surgery, 1997, 63, 751-755.	0.7	48
151	Nitric Oxide: From Good to Bad. Annals of Vascular Diseases, 2018, 11, 41-51.	0.2	48
152	Calmodulin antagonists inhibit endotheliumâ€dependent hyperpolarization in the canine coronary artery. British Journal of Pharmacology, 1992, 107, 382-386.	2.7	47
153	Consequences of reduced production of NO on vascular reactivity of porcine coronary arteries after angioplasty: importance of EDHF. British Journal of Pharmacology, 2002, 136, 1153-1161.	2.7	47
154	Regeneration of the Endothelium in Vascular Injury. Cardiovascular Drugs and Therapy, 2010, 24, 299-303.	1.3	47
155	Loss-of-SIRT1 function during vascular ageing: Hyperphosphorylation mediated by cyclin-dependent kinase 5. Trends in Cardiovascular Medicine, 2014, 24, 81-84.	2.3	47
156	The calcium agonists bay K 8644 and (+)202,791 stimulate the release of endothelial relaxing factor from canine femoral arteries. European Journal of Pharmacology, 1985, 117, 143-144.	1.7	46
157	Cardiovascular Effects of Serotonin. Journal of Cardiovascular Pharmacology, 1987, 10, S8-S11.	0.8	46
158	Serotonin and the vascular wall. International Journal of Cardiology, 1987, 14, 189-203.	0.8	46
159	SIRT1 in metabolic syndrome: Where to target matters. , 2012, 136, 305-318.		46
160	Heterogeneity of Endothelium-Dependent Vasodilator Effects of Angiotensin-Converting Enzyme Inhibitors. Journal of Cardiovascular Pharmacology, 1992, 20, 74-82.	0.8	46
161	Does 5-hydroxytryptamine play a role in hypertension?. Trends in Pharmacological Sciences, 1982, 3, 370-373.	4.0	45
162	Nitric oxide the gatekeeper of endothelial vasomotor control. Frontiers in Bioscience - Landmark, 2008, Volume, 4198.	3.0	45

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163	Uptake and Protective Effects of Ergothioneine in Human Endothelial Cells. Journal of Pharmacology and Experimental Therapeutics, 2014, 350, 691-700.	1.3	45
164	Endothelinâ€1: A Potent Vasoactive Peptide. Basic and Clinical Pharmacology and Toxicology, 1991, 69, 303-309.	0.0	44
165	Endothelium-Dependent Contractions to Endothelin in the Rat Aorta Are Mediated by Thromboxane A2. Journal of Cardiovascular Pharmacology, 1993, 22, S328-S331.	0.8	44
166	Nitric Oxide and Inactivation of the Endothelium-Dependent Contracting Factor Released by Acetylcholine in Spontaneously Hypertensive Rat. Journal of Cardiovascular Pharmacology, 2004, 43, 815-820.	0.8	43
167	Effect of the Ca2+ antagonist lidoflazine on normoxic and anoxic contractions of canine coronary arterial smooth muscle. European Journal of Pharmacology, 1980, 64, 173-176.	1.7	42
168	Mechanisms responsible for coronary vasospasm. Journal of the American College of Cardiology, 1986, 8, 50A-54A.	1.2	42
169	Endothelial effects of hemostatic devices for continuous cardioplegia or minimally invasive operations. Annals of Thoracic Surgery, 1996, 62, 1158-1163.	0.7	42
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