

Paul M Vanhoutte

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399
papers

23,739
citations

82
h-index

137
g-index

418
ext. papers

25,507
ext. citations

6.3
avg, IF

7.22
L-index

#	Paper	IF	Citations
399	Endothelium-derived relaxing and contracting factors. <i>FASEB Journal</i> , 1989 , 3, 2007-2018	0.9	1539
398	Endothelial dysfunction in diabetes. <i>British Journal of Pharmacology</i> , 2000 , 130, 963-74	8.6	815
397	EDHF: bringing the concepts together. <i>Trends in Pharmacological Sciences</i> , 2002 , 23, 374-80	13.2	664
396	Endothelium-dependent hyperpolarization of canine coronary smooth muscle. <i>British Journal of Pharmacology</i> , 1988 , 93, 515-24	8.6	631
395	Endothelial dysfunction: a multifaceted disorder (The Wiggers Award Lecture). <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2006 , 291, H985-1002	5.2	591
394	Vascular nitric oxide: Beyond eNOS. <i>Journal of Pharmacological Sciences</i> , 2015 , 129, 83-94	3.7	403
393	Endothelium-derived hyperpolarizing factor: where are we now?. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2006 , 26, 1215-25	9.4	382
392	Endothelial dysfunction: from physiology to therapy. <i>Journal of Molecular and Cellular Cardiology</i> , 1999 , 31, 61-74	5.8	371
391	Endothelial dysfunction: the first step toward coronary arteriosclerosis. <i>Circulation Journal</i> , 2009 , 73, 595-601	2.9	349
390	Endothelium-dependent hyperpolarization. Beyond nitric oxide and cyclic GMP. <i>Circulation</i> , 1995 , 92, 3337-49	16.7	326
389	EDHF: an update. <i>Clinical Science</i> , 2009 , 117, 139-55	6.5	258
388	Endothelium-mediated control of vascular tone: COX-1 and COX-2 products. <i>British Journal of Pharmacology</i> , 2011 , 164, 894-912	8.6	246
387	Thirty Years of Saying NO: Sources, Fate, Actions, and Misfortunes of the Endothelium-Derived Vasodilator Mediator. <i>Circulation Research</i> , 2016 , 119, 375-96	15.7	237
386	Endothelium-dependent contractions in hypertension. <i>British Journal of Pharmacology</i> , 2005 , 144, 449-58.6	58.6	222
385	Macro- and microvascular endothelial dysfunction in diabetes. <i>Journal of Diabetes</i> , 2017 , 9, 434-449	3.8	217
384	SIRT1 promotes proliferation and prevents senescence through targeting LKB1 in primary porcine aortic endothelial cells. <i>Circulation Research</i> , 2010 , 106, 1384-93	15.7	216
383	Vascular effects of adiponectin: molecular mechanisms and potential therapeutic intervention. <i>Clinical Science</i> , 2008 , 114, 361-74	6.5	212

382	Lipocalin-2 deficiency attenuates insulin resistance associated with aging and obesity. <i>Diabetes</i> , 2010 , 59, 872-82	0.9	200
381	Cellular signaling and NO production. <i>Pflugers Archiv European Journal of Physiology</i> , 2010 , 459, 807-16	4.6	196
380	Endothelium-removal decreases relaxations of canine coronary arteries caused by beta-adrenergic agonists and adenosine. <i>Journal of Cardiovascular Pharmacology</i> , 1985 , 7, 139-44	3.1	182
379	Acetylcholine-induced endothelium-dependent contractions in the SHR aorta: the Janus face of prostacyclin. <i>British Journal of Pharmacology</i> , 2005 , 146, 834-45	8.6	176
378	Adiponectin and cardiovascular health: an update. <i>British Journal of Pharmacology</i> , 2012 , 165, 574-90	8.6	174
377	Acetylcholine-induced relaxation in blood vessels from endothelial nitric oxide synthase knockout mice. <i>British Journal of Pharmacology</i> , 1999 , 126, 219-26	8.6	174
376	Role of potassium in regulating blood flow and blood pressure. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2006 , 290, R546-52	3.2	173
375	Neuronal nitric oxide synthase is expressed in rat vascular smooth muscle cells: activation by angiotensin II in hypertension. <i>Circulation Research</i> , 1998 , 83, 1271-8	15.7	173
374	Cyclooxygenase-2-derived prostaglandin F2alpha mediates endothelium-dependent contractions in the aortae of hamsters with increased impact during aging. <i>Circulation Research</i> , 2009 , 104, 228-35	15.7	160
373	Alterations in endothelium-dependent responsiveness of the canine basilar artery subarachnoid hemorrhage. <i>Journal of Neurosurgery</i> , 1988 , 69, 239-46	3.2	149
372	Thrombin enhances the release of endothelin from cultured porcine aortic endothelial cells. <i>European Journal of Pharmacology</i> , 1989 , 165, 333-4	5.3	146
371	Nebivolol induces endothelium-dependent relaxations of canine coronary arteries. <i>Journal of Cardiovascular Pharmacology</i> , 1991 , 17, 964-9	3.1	143
370	Endothelium-derived factors and hyperpolarization of the carotid artery of the guinea-pig. <i>British Journal of Pharmacology</i> , 1996 , 119, 959-64	8.6	137
369	Gene expression changes of prostanoid synthases in endothelial cells and prostanoid receptors in vascular smooth muscle cells caused by aging and hypertension. <i>Physiological Genomics</i> , 2008 , 32, 409-18	8.6	136
368	Characterization of a charybdotoxin-sensitive intermediate conductance Ca ²⁺ -activated K ⁺ channel in porcine coronary endothelium: relevance to EDHF. <i>British Journal of Pharmacology</i> , 2002 , 137, 1346-54	8.6	134
367	Endothelium-dependent contractions are associated with both augmented expression of prostaglandin H synthase-1 and hypersensitivity to prostaglandin H ₂ in the SHR aorta. <i>Circulation Research</i> , 1995 , 76, 1003-10	15.7	130
366	Oxygen-derived free radicals mediate endothelium-dependent contractions to acetylcholine in aortas from spontaneously hypertensive rats. <i>British Journal of Pharmacology</i> , 2002 , 136, 104-10	8.6	129
365	Calcitriol protects renovascular function in hypertension by down-regulating angiotensin II type 1 receptors and reducing oxidative stress. <i>European Heart Journal</i> , 2012 , 33, 2980-90	9.5	126

364	Endothelial dysfunction: a strategic target in the treatment of hypertension?. <i>Pflugers Archiv European Journal of Physiology</i> , 2010 , 459, 995-1004	4.6	124
363	Berberine prevents hyperglycemia-induced endothelial injury and enhances vasodilatation via adenosine monophosphate-activated protein kinase and endothelial nitric oxide synthase. <i>Cardiovascular Research</i> , 2009 , 82, 484-92	9.9	122
362	Endothelium-dependent contractions in SHR: a tale of prostanoid TP and IP receptors. <i>British Journal of Pharmacology</i> , 2009 , 156, 563-74	8.6	122
361	SIRT1 and AMPK in regulating mammalian senescence: a critical review and a working model. <i>FEBS Letters</i> , 2011 , 585, 986-94	3.8	121
360	Endothelium-derived vasoactive factors and hypertension: possible roles in pathogenesis and as treatment targets. <i>Current Hypertension Reports</i> , 2010 , 12, 267-75	4.7	121
359	Endothelium-dependent contractions: when a good guy turns bad!. <i>Journal of Physiology</i> , 2008 , 586, 5295-304	3.9	120
358	Endothelium-dependent hyperpolarizations: past beliefs and present facts. <i>Annals of Medicine</i> , 2007 , 39, 495-516	1.5	115
357	Endothelium-dependent responses in hypertension. <i>Hypertension Research</i> , 1995 , 18, 87-98	4.7	115
356	Endothelial alpha 2-adrenoceptors in canine pulmonary and systemic blood vessels. <i>European Journal of Pharmacology</i> , 1985 , 118, 123-9	5.3	115
355	Nitric oxide: orchestrator of endothelium-dependent responses. <i>Annals of Medicine</i> , 2012 , 44, 694-716	1.5	114
354	Acetaminophen increases blood pressure in patients with coronary artery disease. <i>Circulation</i> , 2010 , 122, 1789-96	16.7	114
353	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. <i>Journal of Biological Chemistry</i> , 2010 , 285, 10273-80	5.4	114
352	EDHF: new therapeutic targets?. <i>Pharmacological Research</i> , 2004 , 49, 565-80	10.2	111
351	Vascular endothelium: vasoactive mediators. <i>Progress in Cardiovascular Diseases</i> , 1996 , 39, 229-38	8.5	111
350	Prostacyclin releases endothelium-derived relaxing factor and potentiates its action in coronary arteries of the pig. <i>British Journal of Pharmacology</i> , 1988 , 95, 1197-203	8.6	111
349	Endothelial control of vasomotor function: from health to coronary disease. <i>Circulation Journal</i> , 2003 , 67, 572-5	2.9	108
348	Endothelium-derived hyperpolarizing factor and endothelium-dependent relaxations. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 1993 , 8, 1-6	5.7	108
347	Bone morphogenic protein-4 impairs endothelial function through oxidative stress-dependent cyclooxygenase-2 upregulation: implications on hypertension. <i>Circulation Research</i> , 2010 , 107, 984-91	15.7	107

346	Imbalance in the synthesis of collagen type I and collagen type III in smooth muscle cells derived from human varicose veins. <i>Journal of Vascular Research</i> , 2001 , 38, 560-8	1.9	106
345	The alternative: EDHF. <i>Journal of Molecular and Cellular Cardiology</i> , 1999 , 31, 15-22	5.8	105
344	Interaction between 5-hydroxytryptamine and other vasoconstrictor substances in the isolated femoral artery of the rabbit; effect of ketanserin (R 41 468). <i>European Journal of Pharmacology</i> , 1982 , 77, 281-7	5.3	104
343	Inhibition by acetylcholine of adrenergic neurotransmission in vascular smooth muscle. <i>Circulation Research</i> , 1974 , 34, 317-26	15.7	102
342	Adiponectin prevents diabetic premature senescence of endothelial progenitor cells and promotes endothelial repair by suppressing the p38 MAP kinase/p16INK4A signaling pathway. <i>Diabetes</i> , 2010 , 59, 2949-59	0.9	101
341	APPL1 potentiates insulin-mediated inhibition of hepatic glucose production and alleviates diabetes via Akt activation in mice. <i>Cell Metabolism</i> , 2009 , 9, 417-27	24.6	101
340	A diffusible substance(s) mediates endothelium-dependent contractions in the aorta of SHR. <i>Hypertension</i> , 2003 , 41, 143-8	8.5	99
339	Endothelium-derived contracting factor: endothelin and/or superoxide anion?. <i>Trends in Pharmacological Sciences</i> , 1988 , 9, 229-30	13.2	99
338	Acacetin, a natural flavone, selectively inhibits human atrial repolarization potassium currents and prevents atrial fibrillation in dogs. <i>Circulation</i> , 2008 , 117, 2449-57	16.7	95
337	Identification and characterization of proteins interacting with SIRT1 and SIRT3: implications in the anti-aging and metabolic effects of sirtuins. <i>Proteomics</i> , 2009 , 9, 2444-56	4.8	93
336	Release of endothelium-derived relaxing factor after subarachnoid hemorrhage. <i>Journal of Neurosurgery</i> , 1989 , 70, 108-14	3.2	93
335	Endothelium-derived free radicals: for worse and for better. <i>Journal of Clinical Investigation</i> , 2001 , 107, 23-5	15.9	93
334	Adiponectin is required for PPAR γ -mediated improvement of endothelial function in diabetic mice. <i>Cell Metabolism</i> , 2011 , 14, 104-15	24.6	91
333	Prostanoids and reactive oxygen species: team players in endothelium-dependent contractions. <i>Pharmacology & Therapeutics</i> , 2009 , 122, 140-9	13.9	91
332	Alpha 2-adrenoceptors and endothelium-derived relaxing factor. <i>American Journal of Medicine</i> , 1989 , 87, 1S-5S	2.4	91
331	Synthesis of collagen is dysregulated in cultured fibroblasts derived from skin of subjects with varicose veins as it is in venous smooth muscle cells. <i>Circulation</i> , 2002 , 106, 479-83	16.7	90
330	Potassium ions and endothelium-derived hyperpolarizing factor in guinea-pig carotid and porcine coronary arteries. <i>British Journal of Pharmacology</i> , 1999 , 127, 27-34	8.6	90
329	Vitamin D derivatives acutely reduce endothelium-dependent contractions in the aorta of the spontaneously hypertensive rat. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2008 , 295, H289-96	5.2	89

328	Puerarin, an isoflavonoid derived from <i>Radix puerariae</i> , potentiates endothelium-independent relaxation via the cyclic AMP pathway in porcine coronary artery. <i>European Journal of Pharmacology</i> , 2006 , 552, 105-11	5.3	89
327	Toll-like receptor 4 mutation protects obese mice against endothelial dysfunction by decreasing NADPH oxidase isoforms 1 and 4. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2013 , 33, 777-84	9.4	87
326	Indomethacin improves the impaired endothelium-dependent relaxations in small mesenteric arteries of the spontaneously hypertensive rat. <i>American Journal of Hypertension</i> , 1990 , 3, 55-8	2.3	87
325	Endothelium-dependent contractions occur in the aorta of wild-type and COX2 ^{-/-} knockout but not COX1 ^{-/-} knockout mice. <i>Journal of Cardiovascular Pharmacology</i> , 2005 , 46, 761-5	3.1	86
324	Adiponectin and adipocyte fatty acid binding protein in the pathogenesis of cardiovascular disease. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2012 , 302, H1231-40	5.2	85
323	The induction of nitric oxide synthase activity is inhibited by TGF-beta 1, PDGFAB and PDGFBB in vascular smooth muscle cells. <i>European Journal of Pharmacology</i> , 1992 , 216, 379-83	5.3	84
322	Mediation by M3-muscarinic receptors of both endothelium-dependent contraction and relaxation to acetylcholine in the aorta of the spontaneously hypertensive rat. <i>British Journal of Pharmacology</i> , 1994 , 112, 519-24	8.6	83
321	Rapid and body weight-independent improvement of endothelial and high-density lipoprotein function after Roux-en-Y gastric bypass: role of glucagon-like peptide-1. <i>Circulation</i> , 2015 , 131, 871-81	16.7	82
320	Bradykinin-induced, endothelium-dependent responses in porcine coronary arteries: involvement of potassium channel activation and epoxyeicosatrienoic acids. <i>British Journal of Pharmacology</i> , 2005 , 145, 775-84	8.6	82
319	Endothelium-dependent relaxations in human arteries. <i>Mayo Clinic Proceedings</i> , 1987 , 62, 601-6	6.4	82
318	Epithelium-derived relaxing factor(s) and bronchial reactivity. <i>The American Review of Respiratory Disease</i> , 1988 , 138, S24-30		82
317	Hypercholesterolemia causes generalized impairment of endothelium-dependent relaxation to aggregating platelets in porcine arteries. <i>Journal of the American College of Cardiology</i> , 1989 , 13, 1402-8 ^{15.1}		80
316	Oxidized low-density lipoprotein activates p66Shc via lectin-like oxidized low-density lipoprotein receptor-1, protein kinase C-beta, and c-Jun N-terminal kinase kinase in human endothelial cells. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2011 , 31, 2090-7	9.4	79
315	Vasoconstrictor prostanoids. <i>Pflugers Archiv European Journal of Physiology</i> , 2010 , 459, 941-50	4.6	79
314	Inhibitors of the cytochrome P450-mono-oxygenase and endothelium-dependent hyperpolarizations in the guinea-pig isolated carotid artery. <i>British Journal of Pharmacology</i> , 1996 , 117, 607-10	8.6	79
313	The WHO classification of calcium antagonists. <i>Trends in Pharmacological Sciences</i> , 1987 , 8, 4-5	13.2	77
312	Endothelium-dependent contractions in hypertension: when prostacyclin becomes ugly. <i>Hypertension</i> , 2011 , 57, 526-31	8.5	75
311	Epoxyeicosatrienoic acids, potassium channel blockers and endothelium-dependent hyperpolarization in the guinea-pig carotid artery. <i>British Journal of Pharmacology</i> , 1998 , 123, 574-80	8.6	75

- 310 Endothelium-dependent relaxations of piglet pulmonary arteries augment with maturation. *Pediatric Research*, **1991**, 30, 176-80 3.2 75
- 309 Alterations of mechanical properties in canine basilar arteries after subarachnoid hemorrhage. *Journal of Neurosurgery*, **1989**, 71, 430-6 3.2 74
- 308 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, 152-6 8.6 74
- 307 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 7.8 73
- 306 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, 625-33 4.8 71
- 305 Spasm of the coronary arteries: causes and consequences (the scientist's viewpoint). *Mayo Clinic Proceedings*, **1985**, 60, 33-46 6.4 71
- 304 Endothelium-dependent hyperpolarizations: the history. *Pharmacological Research*, **2004**, 49, 503-8 10.2 70
- 303 Endothelial adrenoceptors. *Journal of Cardiovascular Pharmacology*, **2001**, 38, 796-808 3.1 70
- 302 Role of SK(Ca) and IK(Ca) in endothelium-dependent hyperpolarizations of the guinea-pig isolated carotid artery. *British Journal of Pharmacology*, **2005**, 144, 477-85 8.6 69
- 301 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, H1226-34 5.2 68
- 300 Cyclin-dependent kinase 5-mediated hyperphosphorylation of sirtuin-1 contributes to the development of endothelial senescence and atherosclerosis. *Circulation*, **2012**, 126, 729-40 16.7 68
- 299 Oxidative stress-dependent cyclooxygenase-2-derived prostaglandin f(2 α) impairs endothelial function in renovascular hypertensive rats. *Antioxidants and Redox Signaling*, **2012**, 16, 363-73 8.4 67
- 298 Beta blockers, nitric oxide, and cardiovascular disease. *Current Opinion in Pharmacology*, **2013**, 13, 265-73 3.1 66
- 297 Chronic administration of BMS309403 improves endothelial function in apolipoprotein E-deficient mice and in cultured human endothelial cells. *British Journal of Pharmacology*, **2011**, 162, 1564-76 8.6 66
- 296 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, 276-81 4.7 64
- 295 Endothelial cell signaling and endothelial dysfunction. *American Journal of Hypertension*, **1995**, 8, 28S-41S 5.3 64
- 294 Endothelium-selective activation of AMP-activated protein kinase prevents diabetes mellitus-induced impairment in vascular function and reendothelialization via induction of heme oxygenase-1 in mice. *Circulation*, **2012**, 126, 1267-77 16.7 63
- 293 The elusory role of serotonin in vascular function and disease. *Biochemical Pharmacology*, **1983**, 32, 367-164 62

292	Two isoforms of cyclooxygenase contribute to augmented endothelium-dependent contractions in femoral arteries of 1-year-old rats. <i>Acta Pharmacologica Sinica</i> , 2008 , 29, 185-92	8	61
291	In SHR aorta, calcium ionophore A-23187 releases prostacyclin and thromboxane A2 as endothelium-derived contracting factors. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2006 , 291, H2255-64	5.2	61
290	PKC ζ inhibition with ruboxistaurin reduces oxidative stress and attenuates left ventricular hypertrophy and dysfunction in rats with streptozotocin-induced diabetes. <i>Clinical Science</i> , 2012 , 122, 161-73	6.5	60
289	Phenotypic and functional changes in regenerated porcine coronary endothelial cells : increased uptake of modified LDL and reduced production of NO. <i>Circulation Research</i> , 2000 , 86, 854-61	15.7	60
288	The expert committee of the World Health Organization on classification of calcium antagonists: the viewpoint of the rapporteur. <i>American Journal of Cardiology</i> , 1987 , 59, 3A-8A	3	60
287	Senescence of cultured porcine coronary arterial endothelial cells is associated with accelerated oxidative stress and activation of NF κ B. <i>Journal of Vascular Research</i> , 2010 , 47, 287-98	1.9	58
286	Acetylcholine and sodium nitroprusside cause long-term inhibition of EDCF-mediated contractions. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2005 , 289, H2434-40	5.2	57
285	How We Learned to Say NO. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2009 , 29, 1156-60	9.4	56
284	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. <i>Cardiovascular Research</i> , 2008 , 78, 130-8	9.9	56
283	Genomic changes in regenerated porcine coronary arterial endothelial cells. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2007 , 27, 2443-9	9.4	55
282	APPL1 counteracts obesity-induced vascular insulin resistance and endothelial dysfunction by modulating the endothelial production of nitric oxide and endothelin-1 in mice. <i>Diabetes</i> , 2011 , 60, 3044-54	9.9	54
281	Endothelium-dependent contractions to acetylcholine, ATP and the calcium ionophore A 23187 in aortas from spontaneously hypertensive and normotensive rats. <i>Fundamental and Clinical Pharmacology</i> , 2004 , 18, 321-6	3.1	52
280	Venous disease: from pathophysiology to quality of life. <i>Angiology</i> , 1997 , 48, 559-67	2.1	51
279	cIMP synthesized by sGC as a mediator of hypoxic contraction of coronary arteries. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2014 , 307, H328-36	5.2	50
278	N-acetylcysteine and allopurinol confer synergy in attenuating myocardial ischemia injury via restoring HIF-1 α /HO-1 signaling in diabetic rats. <i>PLoS ONE</i> , 2013 , 8, e68949	3.7	50
277	Endothelium-dependent relaxation and hyperpolarization evoked by bradykinin in canine coronary arteries: enhancement by exercise-training. <i>British Journal of Pharmacology</i> , 1996 , 117, 413-418	8.6	50
276	Platelet-Derived Serotonin, the Endothelium, and Cardiovascular Disease. <i>Journal of Cardiovascular Pharmacology</i> , 1991 , 17, S13	3.1	50
275	Vasoconstrictor activity of coronary sinus plasma from patients with coronary artery disease. <i>Journal of the American College of Cardiology</i> , 1987 , 9, 1243-9	15.1	50

274	Kinins and endothelium-dependent relaxations to converting enzyme inhibitors in perfused canine arteries. <i>Journal of Cardiovascular Pharmacology</i> , 1991 , 18, 926-7	3.1	49
273	Chronic exposure of cultured endothelial cells to eicosapentaenoic acid potentiates the release of endothelium-derived relaxing factor(s). <i>British Journal of Pharmacology</i> , 1990 , 99, 176-80	8.6	49
272	Vascular smooth muscle cell apoptosis is an early trigger for hypothyroid atherosclerosis. <i>Cardiovascular Research</i> , 2014 , 102, 448-59	9.9	48
271	Anti-inflammation therapy by activation of prostaglandin EP4 receptor in cardiovascular and other inflammatory diseases. <i>Journal of Cardiovascular Pharmacology</i> , 2012 , 59, 116-23	3.1	47
270	How to assess endothelial function in human blood vessels. <i>Journal of Hypertension</i> , 1999 , 17, 1047-58	1.9	47
269	The thromboxane/endoperoxide receptor (TP): the common villain. <i>Journal of Cardiovascular Pharmacology</i> , 2010 , 55, 317-32	3.1	46
268	Calmidazolium, a calmodulin inhibitor, inhibits endothelium-dependent relaxations resistant to nitro-L-arginine in the canine coronary artery. <i>British Journal of Pharmacology</i> , 1992 , 107, 387-92	8.6	46
267	Lipocalin-2 deficiency prevents endothelial dysfunction associated with dietary obesity: role of cytochrome P450 2C inhibition. <i>British Journal of Pharmacology</i> , 2012 , 165, 520-31	8.6	45
266	Nitric oxide the gatekeeper of endothelial vasomotor control. <i>Frontiers in Bioscience - Landmark</i> , 2008 , 13, 4198-217	2.8	45
265	Endothelium-derived hyperpolarizing factor. <i>Clinical and Experimental Pharmacology and Physiology</i> , 1996 , 23, 1082-90	3	45
264	G proteins and endothelium-dependent relaxations. <i>Journal of Vascular Research</i> , 1997 , 34, 175-85	1.9	43
263	Cardiovascular Effects of Serotonin. <i>Journal of Cardiovascular Pharmacology</i> , 1987 , 10, S8-S11	3.1	43
262	The calcium agonists Bay K 8644 and (+)202,791 stimulate the release of endothelial relaxing factor from canine femoral arteries. <i>European Journal of Pharmacology</i> , 1985 , 117, 143-4	5.3	43
261	Rap1 induces cytokine production in pro-inflammatory macrophages through NFB signaling and is highly expressed in human atherosclerotic lesions. <i>Cell Cycle</i> , 2015 , 14, 3580-92	4.7	42
260	SIRT1 in metabolic syndrome: where to target matters. <i>Pharmacology & Therapeutics</i> , 2012 , 136, 305-18	13.9	42
259	Differential ligand binding affinities of human estrogen receptor- β isoforms. <i>PLoS ONE</i> , 2013 , 8, e63199	3.7	42
258	Vascular actions of adipokines molecular mechanisms and therapeutic implications. <i>Advances in Pharmacology</i> , 2010 , 60, 229-55	5.7	42
257	Calmodulin antagonists inhibit endothelium-dependent hyperpolarization in the canine coronary artery. <i>British Journal of Pharmacology</i> , 1992 , 107, 382-6	8.6	42

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- 255 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, 1197-202 15.1 41
- 254 Regeneration of the endothelium in vascular injury. *Cardiovascular Drugs and Therapy*, **2010**, 24, 299-303 3.9 40
- 253 Serotonin and the vascular wall. *International Journal of Cardiology*, **1987**, 14, 189-203 3.2 40
- 252 Specific potentiation of endothelium-dependent contractions in SHR by tetrahydrobiopterin. *Hypertension*, **2003**, 41, 136-42 8.5 39
- 251 Consequences of reduced production of NO on vascular reactivity of porcine coronary arteries after angioplasty: importance of EDHF. *British Journal of Pharmacology*, **2002**, 136, 1153-61 8.6 39
- 250 Nitric oxide and inactivation of the endothelium-dependent contracting factor released by acetylcholine in spontaneously hypertensive rat. *Journal of Cardiovascular Pharmacology*, **2004**, 43, 815-20 3.1 39
- 249 Vasodilator and vasoconstrictor substances produced by the endothelium. *Reviews of Physiology, Biochemistry and Pharmacology*, **1993**, 122, 1-67 2.9 39
- 248 Effect of cold on the blood vessel wall. *General Pharmacology*, **1983**, 14, 61-4 39
- 247 Heterogeneity of Endothelium-Dependent Vasodilator Effects of Angiotensin-Converting Enzyme Inhibitors. *Journal of Cardiovascular Pharmacology*, **1992**, 20, 74-82 3.1 39
- 246 Activation of A(2) adenosine receptors dilates cortical efferent arterioles in mouse. *Kidney International*, **2009**, 75, 793-9 9.9 38
- 245 Snaring of the target vessel in less invasive bypass operations does not cause endothelial dysfunction. *Annals of Thoracic Surgery*, **1997**, 63, 751-5 2.7 38
- 244 Effect of the Ca²⁺ antagonist lidoflazine on normoxic and anoxic contractions of canine coronary arterial smooth muscle. *European Journal of Pharmacology*, **1980**, 64, 173-6 5.3 38
- 243 Venous relaxation caused by acetylcholine acting on the sympathetic nerves. *Circulation Research*, **1973**, 32, 259-67 15.7 38
- 242 Deamidated lipocalin-2 induces endothelial dysfunction and hypertension in dietary obese mice. *Journal of the American Heart Association*, **2014**, 3, e000837 6 37
- 241 Mechanisms underlying ATP-induced endothelium-dependent contractions in the SHR aorta. *European Journal of Pharmacology*, **2007**, 556, 107-14 5.3 37
- 240 Endothelium-dependent vasorelaxations in response to aggregating platelets are impaired in reversed vein grafts. *Journal of Vascular Surgery*, **1990**, 12, 139-47 3.5 37
- 239 Nitric Oxide: From Good to Bad. *Annals of Vascular Diseases*, **2018**, 11, 41-51 0.9 36

238	Alteration of endothelium-dependent hyperpolarizations in porcine coronary arteries with regenerated endothelium. <i>Circulation Research</i> , 1999 , 84, 371-7	15.7	36
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