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List of Publications by Year in descending order

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117
papers

6,137
citations

136950

32
h-index

69250

77
g-index

119
all docs

119
docs citations

119
times ranked

8500
citing authors

#	ARTICLE	IF	CITATIONS
1	EDHF: bringing the concepts together. Trends in Pharmacological Sciences, 2002, 23, 374-380.	8.7	731
2	Vascular nitric oxide: Beyond eNOS. Journal of Pharmacological Sciences, 2015, 129, 83-94.	2.5	555
3	<i>Akkermansia muciniphila</i> Protects Against Atherosclerosis by Preventing Metabolic Endotoxemia-Induced Inflammation in <i>ApoE</i> ^{-/-} Mice. Circulation, 2016, 133, 2434-2446.	1.6	529
4	Endothelium-Derived Hyperpolarizing Factor. Arteriosclerosis, Thrombosis, and Vascular Biology, 2006, 26, 1215-1225.	2.4	420
5	Endothelial Dysfunction The First Step Toward Coronary Arteriosclerosis. Circulation Journal, 2009, 73, 595-601.	1.6	414
6	Macro- and microvascular endothelial dysfunction in diabetes. Journal of Diabetes, 2017, 9, 434-449.	1.8	345
7	Thirty Years of Saying NO. Circulation Research, 2016, 119, 375-396.	4.5	320
8	Endothelium-mediated control of vascular tone: COX-1 and COX-2 products. British Journal of Pharmacology, 2011, 164, 894-912.	5.4	304
9	Endothelium-dependent contractions in hypertension. British Journal of Pharmacology, 2005, 144, 449-458.	5.4	250
10	Endothelium-dependent contractions: when a good guy turns bad!. Journal of Physiology, 2008, 586, 5295-5304.	2.9	138
11	Endothelial Control of Vasomotor Function-From Health to Coronary Disease-. Circulation Journal, 2003, 67, 572-575.	1.6	119
12	Piezo Ion Channels in Cardiovascular Mechanobiology. Trends in Pharmacological Sciences, 2019, 40, 956-970.	8.7	114
13	Endothelium-Dependent Contractions in Hypertension. Hypertension, 2011, 57, 526-531.	2.7	89
14	Beta blockers, nitric oxide, and cardiovascular disease. Current Opinion in Pharmacology, 2013, 13, 265-273.	3.5	80
15	Endothelium-dependent hyperpolarizations: the history. Pharmacological Research, 2004, 49, 503-508.	7.1	77
16	Role of SKCa and IKCa in endothelium-dependent hyperpolarizations of the guinea-pig isolated carotid artery. British Journal of Pharmacology, 2005, 144, 477-485.	5.4	75
17	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, 1267-1277.	1.6	72
18	Rap1 induces cytokine production in pro-inflammatory macrophages through NF- κ B signaling and is highly expressed in human atherosclerotic lesions. Cell Cycle, 2015, 14, 3580-3592.	2.6	66

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19	How We Learned to Say NO. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2009, 29, 1156-1160.	2.4	65
20	Vascular smooth muscle cell apoptosis is an early trigger for hypothyroid atherosclerosis. <i>Cardiovascular Research</i> , 2014, 102, 448-459.	3.8	57
21	Adipocyte fatty acid-binding protein exacerbates cerebral ischaemia injury by disrupting the blood-brain barrier. <i>European Heart Journal</i> , 2020, 41, 3169-3180.	2.2	54
22	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-H336.	3.2	52
23	Toll-like receptors mediating vascular malfunction: Lessons from receptor subtypes. , 2016, 158, 91-100.		52
24	Nitric Oxide: From Good to Bad. <i>Annals of Vascular Diseases</i> , 2018, 11, 41-51.	0.5	48
25	Regeneration of the Endothelium in Vascular Injury. <i>Cardiovascular Drugs and Therapy</i> , 2010, 24, 299-303.	2.6	47
26	Loss-of-SIRT1 function during vascular ageing: Hyperphosphorylation mediated by cyclin-dependent kinase 5. <i>Trends in Cardiovascular Medicine</i> , 2014, 24, 81-84.	4.9	47
27	Nitric oxide the gatekeeper of endothelial vasomotor control. <i>Frontiers in Bioscience - Landmark</i> , 2008, Volume, 4198.	3.0	45
28	Uptake and Protective Effects of Ergothioneine in Human Endothelial Cells. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2014, 350, 691-700.	2.5	45
29	Deficiency of adipocyte fatty-acid-binding protein alleviates myocardial ischaemia/reperfusion injury and diabetes-induced cardiac dysfunction. <i>Clinical Science</i> , 2015, 129, 547-559.	4.3	42
30	Prostaglandin I ₂ and Prostaglandin E ₂ Modulate Human Intrarenal Artery Contractility Through Prostaglandin E ₂ -EP4, Prostacyclin-IP, and Thromboxane A ₂ -TP Receptors. <i>Hypertension</i> , 2014, 64, 551-556.	2.7	39
31	Endothelial SIRT1 prevents adverse arterial remodeling by facilitating HERC2-mediated degradation of acetylated LKB1. <i>Oncotarget</i> , 2016, 7, 39065-39081.	1.8	37
32	Sodium nitrite exerts an antihypertensive effect and improves endothelial function through activation of eNOS in the SHR. <i>Scientific Reports</i> , 2016, 6, 33048.	3.3	34
33	Cinnamaldehyde and cinnamaldehyde-containing micelles induce relaxation of isolated porcine coronary arteries: role of nitric oxide and calcium. <i>International Journal of Nanomedicine</i> , 2014, 9, 2557.	6.7	33
34	Thyroid hormone affects both endothelial and vascular smooth muscle cells in rat arteries. <i>European Journal of Pharmacology</i> , 2015, 747, 18-28.	3.5	33
35	Paeonol Attenuates LPS-Induced Endothelial Dysfunction and Apoptosis by Inhibiting BMP4 and TLR4 Signaling Simultaneously but Independently. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2018, 364, 420-432.	2.5	33
36	Calorie Restriction Prevents Metabolic Aging Caused by Abnormal SIRT1 Function in Adipose Tissues. <i>Diabetes</i> , 2015, 64, 1576-1590.	0.6	32

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37	Endothelial SIRT1 prevents age-induced impairment of vasodilator responses by enhancing the expression and activity of soluble guanylyl cyclase in smooth muscle cells. <i>Cardiovascular Research</i> , 2019, 115, 678-690.	3.8	32
38	Rho Kinase Inhibitors Prevent Endothelium-Dependent Contractions in the Rat Aorta. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2009, 329, 820-826.	2.5	31
39	End O' The Line Revisited: Moving on from nitric oxide to CGRP. <i>Life Sciences</i> , 2014, 118, 120-128.	4.3	30
40	Notoginsenoside Ft1 activates both glucocorticoid and estrogen receptors to induce endothelium-dependent, nitric oxide-mediated relaxations in rat mesenteric arteries. <i>Biochemical Pharmacology</i> , 2014, 88, 66-74.	4.4	27
41	Endothelium dependent hyperpolarization-type relaxation compensates for attenuated nitric oxide-mediated responses in subcutaneous arteries of diabetic patients. <i>Nitric Oxide - Biology and Chemistry</i> , 2016, 53, 35-44.	2.7	27
42	Activation of prostaglandin E2-EP4 signaling reduces chemokine production in adipose tissue. <i>Journal of Lipid Research</i> , 2015, 56, 358-368.	4.2	26
43	Mice lacking prostaglandin E receptor subtype 4 manifest disrupted lipid metabolism attributable to impaired triglyceride clearance. <i>FASEB Journal</i> , 2015, 29, 4924-4936.	0.5	26
44	Upregulation of heme oxygenase-1 potentiates EDH-type relaxations in the mesenteric artery of the spontaneously hypertensive rat. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2013, 305, H1471-H1483.	3.2	24
45	Thymoquinone modulates nitric oxide production and improves organ dysfunction of sepsis. <i>Life Sciences</i> , 2015, 143, 131-138.	4.3	24
46	Reduced activity of SK_C and $Na^+K^+ATPase$ underlies the accelerated impairment of EDH_{α} -type relaxations in mesenteric arteries of aging spontaneously hypertensive rats. <i>Pharmacology Research and Perspectives</i> , 2015, 3, e00150.	2.4	23
47	Circulating MicroRNAs in Young Patients with Acute Coronary Syndrome. <i>International Journal of Molecular Sciences</i> , 2018, 19, 1467.	4.1	22
48	Vanillin and Vanillin Analogs Relax Porcine Coronary and Basilar Arteries by Inhibiting L-Type Ca^{2+} Channels. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2015, 352, 14-22.	2.5	21
49	Sodium nitrite causes relaxation of the isolated rat aorta: By stimulating both endothelial NO synthase and activating soluble guanylyl cyclase in vascular smooth muscle. <i>Vascular Pharmacology</i> , 2015, 74, 87-92.	2.1	20
50	Regenerated Endothelium and Its Senescent Response to Aggregating Platelets. <i>Circulation Journal</i> , 2016, 80, 783-790.	1.6	17
51	Des-Arg9-bradykinin causes kinin B1 receptor mediated endothelium-independent contractions in endotoxin-treated porcine coronary arteries. <i>Pharmacological Research</i> , 2014, 90, 18-24.	7.1	16
52	Reduced nitric oxide-mediated relaxation and endothelial nitric oxide synthase expression in the tail arteries of streptozotocin-induced diabetic rats. <i>European Journal of Pharmacology</i> , 2016, 773, 78-84.	3.5	16
53	Cocaine-induced release of noradrenaline in rat tail artery. <i>Journal of Pharmacy and Pharmacology</i> , 2011, 34, 134-136.	2.4	14
54	Airway epithelium-derived relaxing factor: myth, reality, or naivety?. <i>American Journal of Physiology - Cell Physiology</i> , 2013, 304, C813-C820.	4.6	14

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55	Endothelium-Dependent Contractions of Isolated Arteries to Thymoquinone Require Biased Activity of Soluble Guanylyl Cyclase with Subsequent Cyclic IMP Production. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2016, 358, 558-568.	2.5	14
56	Measuring nonâ€polyaminated lipocalinâ€2 for cardiometabolic risk assessment. <i>ESC Heart Failure</i> , 2017, 4, 563-575.	3.1	14
57	Secretoneurin facilitates endothelium-dependent relaxations in porcine coronary arteries. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2011, 300, H1159-H1165.	3.2	13
58	Elevated pressure causes endothelial dysfunction in mouse carotid arteries by increasing local angiotensin signaling. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2015, 308, H358-H363.	3.2	13
59	Obesity and heterozygous endothelial overexpression of prepro-endothelin-1 modulate responsiveness of mouse main and segmental renal arteries to vasoconstrictor agents. <i>Life Sciences</i> , 2014, 118, 206-212.	4.3	12
60	Deletion of T-type calcium channels Cav3.1 or Cav3.2 attenuates endothelial dysfunction in aging mice. <i>Pflugers Archiv European Journal of Physiology</i> , 2018, 470, 355-365.	2.8	12
61	The NO-donor MPC-1011 stimulates angiogenesis and arteriogenesis and improves hindlimb ischemia via a cGMP-dependent pathway involving VEGF and SDF-1 β . <i>Atherosclerosis</i> , 2020, 304, 30-38.	0.8	12
62	17 β -estradiol potentiates endothelium-dependent nitric oxide- and hyperpolarization-mediated relaxations in blood vessels of male but not female apolipoprotein-E deficient mice. <i>Vascular Pharmacology</i> , 2015, 71, 166-173.	2.1	11
63	Periarterial fat from two human vascular beds is not a source of aldosterone to promote vasoconstriction. <i>American Journal of Physiology - Renal Physiology</i> , 2018, 315, F1670-F1682.	2.7	11
64	Acute activation of endothelial AMPK surprisingly inhibits endotheliumâ€dependent hyperpolarizationâ€like relaxations in rat mesenteric arteries. <i>British Journal of Pharmacology</i> , 2019, 176, 2905-2921.	5.4	11
65	Deletion of Rap1 disrupts redox balance and impairs endothelium-dependent relaxations. <i>Journal of Molecular and Cellular Cardiology</i> , 2018, 115, 1-9.	1.9	10
66	Major histocompatibility complexes are upâ€regulated in glomerular endothelial cells via activation of câ€Jun Nâ€terminal kinase in 5/6 nephrectomy mice. <i>British Journal of Pharmacology</i> , 2020, 177, 5131-5147.	5.4	10
67	Endothelial overexpression of endothelin-1 modulates aortic, carotid, iliac and renal arterial responses in obese mice. <i>Acta Pharmacologica Sinica</i> , 2017, 38, 498-512.	6.1	9
68	Apolipoprotein E favours the blunting by highâ€fat diet of prostacyclin receptor activation in the mouse aorta. <i>British Journal of Pharmacology</i> , 2018, 175, 3453-3469.	5.4	9
69	3â€ ² ,5â€ ² -cIMP as Potential Second Messenger in the Vascular Wall. <i>Handbook of Experimental Pharmacology</i> , 2015, 238, 209-228.	1.8	8
70	Des-aspartate angiotensin I (DAA-I) reduces endothelial dysfunction in the aorta of the spontaneously hypertensive rat through inhibition of angiotensin II-induced oxidative stress. <i>Vascular Pharmacology</i> , 2015, 71, 151-158.	2.1	8
71	Biased activity of soluble guanylyl cyclase: the Janus face of thymoquinone. <i>Acta Pharmaceutica Sinica B</i> , 2017, 7, 401-408.	12.0	7
72	EP4 emerges as a novel regulator of bile acid synthesis and its activation protects against hypercholesterolemia. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2018, 1863, 1029-1040.	2.4	7

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73	Low but not high frequency of intermittent hypoxia suppresses endothelium-dependent, oxidative stress-mediated contractions in carotid arteries of obese mice. <i>Journal of Applied Physiology</i> , 2018, 125, 1384-1395.	2.5	6
74	Deficiency of T-type voltage-gated calcium channels results in attenuated weight gain and improved endothelium-dependent dilatation of resistance vessels induced by a high-fat diet in mice. <i>Journal of Physiology and Biochemistry</i> , 2020, 76, 135-145.	3.0	5
75	Endothelial Lessons. <i>Current Vascular Pharmacology</i> , 2016, 14, 175-180.	1.7	5
76	Endothelin XIII. <i>Life Sciences</i> , 2014, 118, 47-50.	4.3	4
77	β_1 -Adrenoceptor activation of $\text{PKC}\beta$ causes heterologous desensitization of thromboxane receptors in the aorta of spontaneously hypertensive rats. <i>British Journal of Pharmacology</i> , 2015, 172, 3687-3701.	5.4	4
78	Inhibition of Vascular Jun N -Terminal Kinase 2 Improves Obesity-Induced Endothelial Dysfunction After Roux-en-Y Gastric Bypass. <i>Journal of the American Heart Association</i> , 2017, 6, .	3.7	4
79	Serotonin: Beyond the Brain. <i>ACS Chemical Neuroscience</i> , 2013, 4, 26-27.	3.5	3
80	Activation of NQO-1 mediates the augmented contractions of isolated arteries due to biased activity of soluble guanylyl cyclase in their smooth muscle. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2018, 391, 1221-1235.	3.0	3
81	Assessment of Vascular Tone Responsiveness using Isolated Mesenteric Arteries with a Focus on Modulation by Perivascular Adipose Tissues. <i>Journal of Visualized Experiments</i> , 2019, , .	0.3	2
82	Endothelial muscarinic M_3 -receptors: A β -target?. <i>Acta Physiologica</i> , 2019, 226, e13273.	3.8	2
83	Foreword. <i>Advances in Pharmacology</i> , 2010, 60, xiii-xiv.	2.0	1
84	In Memoriam of John T. Shepherd, MD, DSc. <i>Circulation</i> , 2012, 125, 393-394.	1.6	1
85	PDE and sGC hand in hand to see the light. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 17704-17705.	7.1	1
86	No Protective Effect of Constitutive Activation of AMPK in Endothelial Cells on Vascular Function in Aged Obese Mice but Augmented β_1 -Adrenergic Contractions in Renal Arteries Reversible by Weight Loss. <i>Journal of Vascular Research</i> , 2018, 55, 189-202.	1.4	1
87	PKC β_2 inhibitor ruboxistaurin prevents the increase of $15\text{-F}_2\text{t}$ isoprostane in the myocardium and plasma in Type 1 diabetic rats. <i>FASEB Journal</i> , 2010, 24, 572.1.	0.5	1
88	Kuala Lumpur Emerging in Vascular Biology. <i>Journal of Cardiovascular Pharmacology</i> , 2015, 65, 297-298.	1.9	0
89	Oxidative stress and cyclooxygenase β_1 and 2 mediate the hyperresponsiveness of the smooth muscle of the femoral artery of streptozotocin-treated rats. <i>FASEB Journal</i> , 2006, 20, A663.	0.5	0
90	Genomic changes in porcine regenerated coronary endothelial cells after angioplasty. <i>FASEB Journal</i> , 2006, 20, A289.	0.5	0

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91	Effects of epoxyeicosatrienoic acids on volume-activated chloride channels via cyclic GMP pathway in rat mesenteric artery. FASEB Journal, 2008, 22, .	0.5	0
92	Up-regulation of the non-neurogenic cholinergic system in the aorta of spontaneously hypertensive rats. FASEB Journal, 2008, 22, 912.12.	0.5	0
93	Modulation of endothelium-dependent contractions by chronic inhibition of nitric oxide synthase in the rat aorta. FASEB Journal, 2008, 22, 1128.7.	0.5	0
94	Active metabolite of vitamin D acutely reduces endothelium-dependent contractions in the isolated SHR aorta. FASEB Journal, 2008, 22, 1128.6.	0.5	0
95	Gap junctions and the transfer of reactive oxygen species during endothelium-dependent contractions. FASEB Journal, 2008, 22, 1128.13.	0.5	0
96	L-Arginine Enhances Nitritative Stress and Exacerbates TNF- α Toxicity in Endothelial Cells. FASEB Journal, 2009, 23, 936.2.	0.5	0
97	Nitroglycerin Reduces TNF- α Toxicity To Endothelial Cells but Compromises the Protective Effects of Propofol. FASEB Journal, 2010, 24, 959.9.	0.5	0
98	Beneficial Vascular Effect of A Non-selective PPAR Activator In Aorta of Spontaneously Hypertensive Rats. FASEB Journal, 2010, 24, 955.10.	0.5	0
99	Contractions Of The SHR Aorta To High Doses Of Epigallocatechin Gallate Are Due To Vasoconstrictor Prostanoids. FASEB Journal, 2010, 24, 960.2.	0.5	0
100	Ruboxistaurin attenuates hypertriglyceridemia in diabetic rats: Comparison with the antioxidant N-acetylcysteine. FASEB Journal, 2010, 24, 572.5.	0.5	0
101	Nitric Oxide Synthase And Soluble Guanylyl Cyclase Activation Are Required For Hypoxic Endothelium-Dependent Contractions Of The Porcine Coronary Artery. FASEB Journal, 2010, 24, 957.2.	0.5	0
102	SIRT1 enhances endothelium-dependent relaxation through an eNOS-independent mechanism. FASEB Journal, 2012, 26, 671.1.	0.5	0
103	Lipocalin-2 mediates linoleic acid-induced endothelial dysfunction. FASEB Journal, 2012, 26, 840.9.	0.5	0
104	Reduction of contractions to phenylephrine by L-NAME in the carotid artery of mice with endothelial overexpression of endothelin-1. FASEB Journal, 2012, 26, 1129.5.	0.5	0
105	Thyroid hormone affects both endothelial and vascular smooth muscle cells in rat arteries. FASEB Journal, 2012, 26, 671.2.	0.5	0
106	Calcium sensitization underlies endothelium-dependent hypoxic augmentation in the porcine coronary artery. FASEB Journal, 2012, 26, 671.7.	0.5	0
107	Antioxidants N-acetylcysteine and Allopurinol synergistically enhance cardiac HIF-1 α and heme oxygenase-1 and attenuate Postischemic Myocardial Injury in Diabetic Rats. FASEB Journal, 2012, 26, 1114.3.	0.5	0
108	Endothelial NOS-independent release of nitric oxide in the aorta of the spontaneously hypertensive rat. FASEB Journal, 2012, 26, 840.1.	0.5	0

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109	In vivo administration of LPS reduces dexmedetomidine-induced contraction in isolated rat aortae. FASEB Journal, 2012, 26, 840.7.	0.5	0
110	Lipocalin-2 mediated myocardial extracellular matrix remodeling is correlated with Akt/P38 activity in hearts. FASEB Journal, 2012, 26, 1114.4.	0.5	0
111	Effects of manganese tetrakis (4-methylpyridyl) porphyrin (MnTMPyP) on dexmedetomidine-induced contractions in the aorta of normal and septic rats. FASEB Journal, 2013, 27, lb596.	0.5	0
112	Activation of α_1 adrenergic receptors causes thromboxane-prostanoid receptor desensitization in the aorta of the spontaneously hypertensive rat. FASEB Journal, 2013, 27, lb508.	0.5	0
113	Endogenous acetylcholine contributes to endothelium-dependent relaxations induced by mild hypothermia in the SHR aorta.. FASEB Journal, 2013, 27, lb600.	0.5	0
114	Prostaglandin E receptor subtype 4 regulates bile acid synthesis and its activation protects against hypercholesterolemia. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2018, WCP2018, PO3-6-11.	0.0	0
115	Biased activation of soluble guanylyl cyclase by quinones causes contractions of isolated arteries: Role of NADPH: quinone oxidoreductase-1. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2018, WCP2018, PO3-3-50.	0.0	0
116	Apolipoprotein E deletion protects prostacyclin receptor agonist-induced relaxations in mouse aorta. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2018, WCP2018, PO3-3-1.	0.0	0
117	Endothelial SIRT1 prevents age-induced impairment of vasodilator responses by enhancing the expression and activity of soluble guanylyl cyclase. FASEB Journal, 2018, 32, 837.3.	0.5	0