

Takayuki Matsumoto

List of Publications by Year in descending order

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137
papers

3,904
citations

134610

34
h-index

175968

55
g-index

143
all docs

143
docs citations

143
times ranked

4421
citing authors

#	ARTICLE	IF	CITATIONS
1	GLP-1 modulates insulin-induced relaxation response through β -arrestin2 regulation in diabetic mice aortas. <i>Acta Physiologica</i> , 2021, 231, e13573.	1.8	4
2	Extracellular Uridine Nucleotides-Induced Contractions Were Increased in Femoral Arteries of Spontaneously Hypertensive Rats. <i>Pharmacology</i> , 2021, 106, 435-445.	0.9	3
3	Indoxyl sulfate enhances endothelin-1-induced contraction via impairment of NO/cGMP signaling in rat aorta. <i>Pflugers Archiv European Journal of Physiology</i> , 2021, 473, 1247-1259.	1.3	3
4	Methylglyoxal augments uridine diphosphate-induced contraction via activation of p38 mitogen-activated protein kinase in rat carotid artery. <i>European Journal of Pharmacology</i> , 2021, 904, 174155.	1.7	5
5	Reduced Relaxant Response to Adenine in the Superior Mesenteric Artery of Spontaneously Hypertensive Rats. <i>Biological and Pharmaceutical Bulletin</i> , 2021, 44, 1530-1535.	0.6	2
6	Endothelial dysfunction caused by circulating microparticles from diabetic mice is reduced by PD98059 through ERK and ICAM-1. <i>European Journal of Pharmacology</i> , 2021, 913, 174630.	1.7	2
7	Relationships between advanced glycation end products (AGEs), vasoactive substances, and vascular function. <i>Journal of Smooth Muscle Research</i> , 2021, 57, 94-107.	0.7	6
8	A 15-Year Study on Up4A in Cardiovascular Disease. <i>Frontiers in Pharmacology</i> , 2020, 11, 1200.	1.6	1
9	Impaired UTP-induced relaxation in the carotid arteries of spontaneously hypertensive rats. <i>Purinergic Signalling</i> , 2020, 16, 453-461.	1.1	6
10	Trimethylamine-N-oxide Specifically Impairs Endothelium-Derived Hyperpolarizing Factor-Type Relaxation in Rat Femoral Artery. <i>Biological and Pharmaceutical Bulletin</i> , 2020, 43, 569-573.	0.6	18
11	Plant polyphenols Morin and Quercetin rescue nitric oxide production in diabetic mouse aorta through distinct pathways. <i>Biomedicine and Pharmacotherapy</i> , 2020, 129, 110463.	2.5	26
12	Mechanisms underlying suppression of noradrenaline-induced contraction by prolonged treatment with advanced glycation end-products in organ-cultured rat carotid artery. <i>Pflugers Archiv European Journal of Physiology</i> , 2020, 472, 355-366.	1.3	3
13	Role of S-Equol, Indoxyl Sulfate, and Trimethylamine N-Oxide on Vascular Function. <i>American Journal of Hypertension</i> , 2020, 33, 793-803.	1.0	21
14	Differential Contractile Reactivity to Nucleotides in Femoral Arteries of OLETF and LETO Rats. <i>Biological and Pharmaceutical Bulletin</i> , 2020, 43, 1987-1992.	0.6	2
15	Toll-Like Receptor 4 Inhibitor TAK-242 Augments Acetylcholine-Induced Relaxation in Superior Mesenteric Arteries of the Streptozotocin-Induced Diabetic Rat. <i>Biological and Pharmaceutical Bulletin</i> , 2020, 43, 1283-1287.	0.6	1
16	Effect of Equol on Vasocontractions in Rat Carotid Arteries Treated with High Insulin. <i>Biological and Pharmaceutical Bulletin</i> , 2019, 42, 1048-1053.	0.6	3
17	Direct Impairment of the Endothelial Function by Acute Indoxyl Sulfate through Declined Nitric Oxide and Not Endothelium-Derived Hyperpolarizing Factor or Vasodilator Prostaglandins in the Rat Superior Mesenteric Artery. <i>Biological and Pharmaceutical Bulletin</i> , 2019, 42, 1236-1242.	0.6	17
18	Glucagon-like peptide-1 increased the vascular relaxation response via AMPK/Akt signaling in diabetic mice aortas. <i>European Journal of Pharmacology</i> , 2019, 865, 172776.	1.7	9

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19	Acute Exposure to Indoxyl Sulfate Impairs Endothelium-Dependent Vasorelaxation in Rat Aorta. <i>International Journal of Molecular Sciences</i> , 2019, 20, 338.	1.8	25
20	Amplification of the COX/TXS/TP receptor pathway enhances uridine diphosphate-induced contraction by advanced glycation end products in rat carotid arteries. <i>Pflugers Archiv European Journal of Physiology</i> , 2019, 471, 1505-1517.	1.3	11
21	Uridine adenosine tetraphosphate and purinergic signaling in cardiovascular system: An update. <i>Pharmacological Research</i> , 2019, 141, 32-45.	3.1	26
22	ERK-containing microparticles from a diabetic mouse induce endothelial dysfunction. <i>Journal of Endocrinology</i> , 2019, 241, 221-233.	1.2	9
23	Co-treatment with clonidine and a GRK2 inhibitor prevented rebound hypertension and endothelial dysfunction after withdrawal in diabetes. <i>Hypertension Research</i> , 2018, 41, 263-274.	1.5	5
24	UDP-induced relaxation is enhanced in aorta from female obese Otsuka Long-Evans Tokushima Fatty rats. <i>Purinergic Signalling</i> , 2018, 14, 91-96.	1.1	11
25	Decreased contraction induced by endothelium-derived contracting factor in prolonged treatment of rat renal artery with endoplasmic reticulum stress inducer. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2018, 391, 793-802.	1.4	2
26	Impairment of Protease-Activated Receptor 2-Induced Relaxation of Aortas of Aged Spontaneously Hypertensive Rat. <i>Biological and Pharmaceutical Bulletin</i> , 2018, 41, 815-819.	0.6	2
27	Differential participation of calcium-activated potassium channel in endothelium-dependent hyperpolarization-type relaxation in superior mesenteric arteries of spontaneously hypertensive rats. <i>Canadian Journal of Physiology and Pharmacology</i> , 2018, 96, 839-844.	0.7	4
28	Inactivation of MAPK in epididymal fat and amelioration of triglyceride secretion by injection of GRK2 siRNA in ob/ob mice. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2018, 391, 1075-1083.	1.4	5
29	Bonus Effects of Antidiabetic Drugs: Possible Beneficial Effects on Endothelial Dysfunction, Vascular Inflammation and Atherosclerosis. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2018, 123, 523-538.	1.2	25
30	Poly (I: C) impairs nitric oxide donor-mediated relaxation through increased NF-kappa B/iNOS pathway in rat superior mesenteric artery. <i>Proceedings for Annual Meeting of the Japanese Pharmacological Society</i> , 2018, WCP2018, PO3-3-53.	0.0	0
31	Relationship between PDK1 and contraction in carotid arteries in Goto-Kakizaki rat, a spontaneous type 2 diabetic animal model. <i>Canadian Journal of Physiology and Pharmacology</i> , 2017, 95, 459-462.	0.7	3
32	Impaired endothelium-derived hyperpolarization-type relaxation in superior mesenteric arteries isolated from female Otsuka Long-Evans Tokushima Fatty rats. <i>European Journal of Pharmacology</i> , 2017, 807, 151-158.	1.7	10
33	Age-Related Reduction of Contractile Responses to Urotensin II Is Seen in Aortas from Wistar Rats but Not from Type 2 Diabetic Goto-Kakizaki Rats. <i>Rejuvenation Research</i> , 2017, 20, 134-145.	0.9	3
34	Glucose and angiotensin II-derived endothelial extracellular vesicles regulate endothelial dysfunction via ERK1/2 activation. <i>Pflugers Archiv European Journal of Physiology</i> , 2017, 469, 293-302.	1.3	19
35	Suppression of GRK2 expression reduces endothelial dysfunction by restoring glucose homeostasis. <i>Scientific Reports</i> , 2017, 7, 8436.	1.6	17
36	Poly (I:C) impairs NO donor-induced relaxation by overexposure to NO via the NF-kappa B/iNOS pathway in rat superior mesenteric arteries. <i>Free Radical Biology and Medicine</i> , 2017, 112, 553-566.	1.3	14

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37	Chloroquine Suppresses the Development of Hypertension in Spontaneously Hypertensive Rats. <i>American Journal of Hypertension</i> , 2017, 30, 173-181.	1.0	25
38	Augmented Contractility to Noradrenaline in Femoral Arteries from the Otsuka Long-Evans Tokushima Fatty Rat, a Model of Type 2 Diabetes. <i>Biological and Pharmaceutical Bulletin</i> , 2017, 40, 2061-2067.	0.6	6
39	Alteration of Vascular Responsiveness to Uridine Adenosine Tetraphosphate in Aortas Isolated from Male Diabetic Otsuka Long-Evans Tokushima Fatty Rats: The Involvement of Prostanoids. <i>International Journal of Molecular Sciences</i> , 2017, 18, 2378.	1.8	12
40	Dietary polyphenol morin rescues endothelial dysfunction in a diabetic mouse model by activating the Akt/eNOS pathway. <i>Molecular Nutrition and Food Research</i> , 2016, 60, 580-588.	1.5	34
41	Mechanisms Underlying Enhanced Noradrenaline-Induced Femoral Arterial Contractions of Spontaneously Hypertensive Rats: Involvement of Endothelium-Derived Factors and Cyclooxygenase-Derived Prostanoids. <i>Biological and Pharmaceutical Bulletin</i> , 2016, 39, 384-393.	0.6	12
42	Multiple activation mechanisms of serotonin-mediated contraction in the carotid arteries obtained from spontaneously hypertensive rats. <i>Pflugers Archiv European Journal of Physiology</i> , 2016, 468, 1271-1282.	1.3	18
43	Tunicamycin-Induced Alterations in the Vasorelaxant Response in Organ-Cultured Superior Mesenteric Arteries of Rats. <i>Biological and Pharmaceutical Bulletin</i> , 2016, 39, 1475-1481.	0.6	8
44	A Comparative Study of Vasorelaxant Effects of ATP, ADP, and Adenosine on the Superior Mesenteric Artery of SHR. <i>Biological and Pharmaceutical Bulletin</i> , 2016, 39, 1374-1380.	0.6	6
45	Autoimmune therapeutic chloroquine lowers blood pressure and improves endothelial function in spontaneously hypertensive rats. <i>Pharmacological Research</i> , 2016, 113, 384-394.	3.1	17
46	High-fat diet increases α -GlcNAc levels in cerebral arteries: a link to vascular dysfunction associated with hyperlipidaemia/obesity?. <i>Clinical Science</i> , 2016, 130, 871-880.	1.8	22
47	Insulin augments serotonin-induced contraction via activation of the IR/PI3K/PDK1 pathway in the rat carotid artery. <i>Pflugers Archiv European Journal of Physiology</i> , 2016, 468, 667-677.	1.3	20
48	Exposure to stimulatory CpG oligonucleotides during gestation induces maternal hypertension and excess vasoconstriction in pregnant rats. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2016, 310, H1015-H1025.	1.5	29
49	Diabetes and Age-Related Differences in Vascular Function of Renal Artery: Possible Involvement of Endoplasmic Reticulum Stress. <i>Rejuvenation Research</i> , 2016, 19, 41-52.	0.9	19
50	Relaxation Induced by Atrial Natriuretic Peptide Is Impaired in Carotid but Not Renal Arteries from Spontaneously Hypertensive Rats Due to Reduced BK _{Ca} Channel Activity. <i>Biological and Pharmaceutical Bulletin</i> , 2015, 38, 1801-1808.	0.6	9
51	G-protein-coupled receptor kinase 2 and endothelial dysfunction: molecular insights and pathophysiological mechanisms. <i>Journal of Smooth Muscle Research</i> , 2015, 51, 37-49.	0.7	13
52	Constrictor prostanoids and uridine adenosine tetraphosphate: vascular mediators and therapeutic targets in hypertension and diabetes. <i>British Journal of Pharmacology</i> , 2015, 172, 3980-4001.	2.7	62
53	Circulating mitochondrial DNA and Toll-like receptor 9 are associated with vascular dysfunction in spontaneously hypertensive rats. <i>Cardiovascular Research</i> , 2015, 107, 119-130.	1.8	149
54	Activation of Toll-like receptor 3 increases mouse aortic vascular smooth muscle cell contractility through ERK1/2 pathway. <i>Pflugers Archiv European Journal of Physiology</i> , 2015, 467, 2375-2385.	1.3	6

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55	Diabetes impairs the vascular effects of aldosterone mediated by G protein-coupled estrogen receptor activation. <i>Frontiers in Pharmacology</i> , 2015, 6, 34.	1.6	23
56	Inhibition of TLR4 attenuates vascular dysfunction and oxidative stress in diabetic rats. <i>Journal of Molecular Medicine</i> , 2015, 93, 1341-1354.	1.7	48
57	Reduced vascular responses to soluble guanylyl cyclase but increased sensitivity to sildenafil in female rats with type 2 diabetes. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2015, 309, H297-H304.	1.5	21
58	Activated Platelets from Diabetic Rats Cause Endothelial Dysfunction by Decreasing Akt/Endothelial NO Synthase Signaling Pathway. <i>PLoS ONE</i> , 2014, 9, e102310.	1.1	27
59	Enhanced uridine adenosine tetraphosphate-induced contraction in renal artery from type 2 diabetic Goto-Kakizaki rats due to activated cyclooxygenase/thromboxane receptor axis. <i>Pflugers Archiv European Journal of Physiology</i> , 2014, 466, 331-342.	1.3	42
60	Toll-like receptors and damage-associated molecular patterns: novel links between inflammation and hypertension. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2014, 306, H184-H196.	1.5	148
61	Linking the beneficial effects of current therapeutic approaches in diabetes to the vascular endothelin system. <i>Life Sciences</i> , 2014, 118, 129-135.	2.0	20
62	Mechanisms underlying increased serotonin-induced contraction in carotid arteries from chronic type 2 diabetic Goto-Kakizaki rats. <i>Pharmacological Research</i> , 2014, 87, 123-132.	3.1	23
63	Epigallocatechin gallate attenuates ET-1-induced contraction in carotid artery from type 2 diabetic OLETF rat at chronic stage of disease. <i>Life Sciences</i> , 2014, 118, 200-205.	2.0	24
64	Relationships among protein tyrosine phosphatase 1B, angiotensin II, and insulin-mediated aortic responses in type 2 diabetic Goto-Kakizaki rats. <i>Atherosclerosis</i> , 2014, 233, 64-71.	0.4	11
65	Effect of Short-term Polyphenol Treatment on Endothelial Dysfunction and Thromboxane A ₂ Levels in Streptozotocin-Induced Diabetic Mice. <i>Biological and Pharmaceutical Bulletin</i> , 2014, 37, 1056-1061.	0.6	31
66	Suppression of endoplasmic reticulum stress improves endothelium-dependent contractile responses in aorta of the spontaneously hypertensive rat. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2013, 305, H344-H353.	1.5	79
67	Vascular Endothelial β -Receptor Stimulation With SA4503 Rescues Aortic Relaxation via Akt/eNOS Signaling in Ovariectomized Rats With Aortic Banding. <i>Circulation Journal</i> , 2013, 77, 2831-2840.	0.7	21
68	Circulating fragmented mitochondria induce maternal hypertension, placental inflammation and apoptosis in pregnant rats. <i>FASEB Journal</i> , 2013, 27, 708.9.	0.2	0
69	Pregnancy regulates thromboxane A ₂ -induced contractions via endothelium-derived factors and large-conductance calcium-activated potassium channels in rat uterine artery. <i>FASEB Journal</i> , 2013, 27, 877.7.	0.2	1
70	Chronic Toll-like receptor 9 activation mediates heightened vascular contractility via attenuated NOS activity in isolated aortic segments. <i>FASEB Journal</i> , 2013, 27, 878.6.	0.2	0
71	Pravastatin normalizes ET-1-induced contraction in the aorta of type 2 diabetic OLETF rats by suppressing the KSR1/ERK complex. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2012, 303, H893-H902.	1.5	14
72	Involvement of CaM kinase II in the impairment of endothelial function and eNOS activity in aortas of Type 2 diabetic rats. <i>Clinical Science</i> , 2012, 123, 375-386.	1.8	30

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73	Toll-like receptor 9 activation: a novel mechanism linking placenta-derived mitochondrial DNA and vascular dysfunction in pre-eclampsia. <i>Clinical Science</i> , 2012, 123, 429-435.	1.8	87
74	Pregnancy reduces RhoA/Rho kinase and protein kinase C signaling pathways downstream of thromboxane receptor activation in the rat uterine artery. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2012, 302, H2477-H2488.	1.5	34
75	Aminoguanidine normalizes ET-1-induced aortic contraction in type 2 diabetic Otsuka Long-Evans Tokushima Fatty (OLETF) rats by suppressing Jab1-mediated increase in ETA-receptor expression. <i>Peptides</i> , 2012, 33, 109-119.	1.2	7
76	Alterations in vasoconstrictor responses to the endothelium-derived contracting factor uridine adenosine tetraphosphate are region specific in DOCA-salt hypertensive rats. <i>Pharmacological Research</i> , 2012, 65, 81-90.	3.1	39
77	Impaired I^2 -adrenoceptor-induced relaxation in small mesenteric arteries from DOCA-salt hypertensive rats is due to reduced KCa channel activity. <i>Pharmacological Research</i> , 2012, 65, 537-545.	3.1	18
78	Enhanced estradiol-induced vasorelaxation in aortas from type 2 diabetic mice may reflect a compensatory role of p38 MAPK-mediated eNOS activation. <i>Pflügers Archiv European Journal of Physiology</i> , 2012, 464, 205-215.	1.3	18
79	Protein kinase C delta contributes to increase in EP3 agonist-induced contraction in mesenteric arteries from type 2 diabetic Goto-Kakizaki rats. <i>Pflügers Archiv European Journal of Physiology</i> , 2012, 463, 593-602.	1.3	21
80	Involvement of CaM kinase II in impairments of endothelial function and eNOS activity in aortas of type 2 diabetic Goto-Kakizaki rats. <i>FASEB Journal</i> , 2012, 26, 866.16.	0.2	0
81	Insulin-mediated Akt/eNOS signaling is defective in ob/ob mouse aorta due to negative regulation by translocated GRK2. <i>FASEB Journal</i> , 2012, 26, 840.14.	0.2	0
82	TLR9 activation potentiates the role of ERK1/2 in thromboxane A ₂ induced contractions in uterine but not in resistance arteries. <i>FASEB Journal</i> , 2012, 26, 870.9.	0.2	1
83	Angiotensin II causes endothelial dysfunction via the GRK2/Akt/eNOS pathway in aortas from a murine type 2 diabetic model. <i>Pharmacological Research</i> , 2011, 64, 535-546.	3.1	42
84	The Role of Uridine Adenosine Tetraphosphate in the Vascular System. <i>Advances in Pharmacological Sciences</i> , 2011, 2011, 1-7.	3.7	23
85	Mechanisms underlying altered extracellular nucleotide-induced contractions in mesenteric arteries from rats in later-stage type 2 diabetes: effect of ANG II type 1 receptor antagonism. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2011, 301, H1850-H1861.	1.5	30
86	Dysfunction of endothelium-dependent relaxation to insulin via PKC-mediated GRK2/Akt activation in aortas of ob/ob mice. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2011, 301, H571-H583.	1.5	40
87	Uridine adenosine tetraphosphate-induced contraction is increased in renal but not pulmonary arteries from DOCA-salt hypertensive rats. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2011, 301, H409-H417.	1.5	31
88	Losartan Normalizes Endothelium-Derived Hyperpolarizing Factor-Mediated Relaxation by Activating Ca ²⁺ -Activated K ⁺ Channels in Mesenteric Artery From Type 2 Diabetic GK Rat. <i>Journal of Pharmacological Sciences</i> , 2010, 112, 299-309.	1.1	27
89	Vasodilator Effect of Cassiarin A, a Novel Antiplasmodial Alkaloid from <i>Cassia siamea</i> , in Rat Isolated Mesenteric Artery. <i>Biological and Pharmaceutical Bulletin</i> , 2010, 33, 844-848.	0.6	29
90	Enhancement of mesenteric artery contraction to 5-HT depends on Rho kinase and Src kinase pathways in the ob/ob mouse model of type 2 diabetes. <i>British Journal of Pharmacology</i> , 2010, 160, 1092-1104.	2.7	44

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91	Mechanisms underlying the losartan treatment-induced improvement in the endothelial dysfunction seen in mesenteric arteries from type 2 diabetic rats. <i>Pharmacological Research</i> , 2010, 62, 271-281.	3.1	32
92	Diabetes-associated changes and role of N ϵ -(carboxymethyl)lysine in big ET-1-induced coronary vasoconstriction. <i>Peptides</i> , 2010, 31, 346-353.	1.2	11
93	Short-term angiotensin-1 receptor antagonism in type 2 diabetic Goto-Kakizaki rats normalizes endothelin-1-induced mesenteric artery contraction. <i>Peptides</i> , 2010, 31, 609-617.	1.2	15
94	Chronic treatment with losartan (angiotensin II type 1 receptor antagonist) normalizes enhanced acetylcholine-induced coronary vasoconstriction in isolated perfused hearts of type 2 diabetic OLETF rats. <i>Journal of Smooth Muscle Research</i> , 2009, 45, 197-208.	0.7	4
95	Effects of <i>Bidens pilosa</i> L. var. <i>radiata</i> SCHERFF treated with enzyme on histamine-induced contraction of guinea pig ileum and on histamine release from mast cells. <i>Journal of Smooth Muscle Research</i> , 2009, 45, 75-86.	0.7	19
96	Effect of N-epsilon-(carboxymethyl)lysine on coronary vasoconstriction in isolated perfused hearts from control and streptozotocin-induced diabetic rats. <i>Journal of Smooth Muscle Research</i> , 2009, 45, 125-137.	0.7	7
97	Eicosapentaenoic Acid Improves Imbalance between Vasodilator and Vasoconstrictor Actions of Endothelium-Derived Factors in Mesenteric Arteries from Rats at Chronic Stage of Type 2 Diabetes. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2009, 329, 324-334.	1.3	85
98	Involvement of NO and MEK/ERK pathway in enhancement of endothelin-1-induced mesenteric artery contraction in later-stage type 2 diabetic Goto-Kakizaki rat. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2009, 296, H1388-H1397.	1.5	45
99	Activation of the PDK-1/Akt/eNOS pathway involved in aortic endothelial function differs between hyperinsulinemic and insulin-deficient diabetic rats. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2009, 297, H1767-H1775.	1.5	28
100	Mechanisms underlying enhanced vasorelaxant response to protease-activated receptor 2-activating peptide in type 2 diabetic Goto-Kakizaki rat mesenteric artery. <i>Peptides</i> , 2009, 30, 1729-1734.	1.2	20
101	Abnormalities of endothelium-dependent responses in mesenteric arteries from Otsuka Long-Evans Tokushima Fatty (OLETF) rats are improved by chronic treatment with thromboxane A2 synthase inhibitor. <i>Atherosclerosis</i> , 2009, 205, 87-95.	0.4	21
102	Pyrrrolidine Dithiocarbamate Reduces Vascular Prostanoid-Induced Responses in Aged Type 2 Diabetic Rat Model. <i>Journal of Pharmacological Sciences</i> , 2009, 110, 326-333.	1.1	20
103	Cilostazol improves endothelial dysfunction by increasing endothelium-derived hyperpolarizing factor response in mesenteric arteries from Type 2 diabetic rats. <i>European Journal of Pharmacology</i> , 2008, 599, 102-109.	1.7	21
104	Gender differences in vascular reactivity to endothelin-1 (1-31) in mesenteric arteries from diabetic mice. <i>Peptides</i> , 2008, 29, 1338-1346.	1.2	38
105	Metformin normalizes endothelial function by suppressing vasoconstrictor prostanoids in mesenteric arteries from OLETF rats, a model of type 2 diabetes. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2008, 295, H1165-H1176.	1.5	112
106	Relationships among ET-1, PPAR.GAMMA., oxidative stress and endothelial dysfunction in diabetic animals. <i>Journal of Smooth Muscle Research</i> , 2008, 44, 41-55.	0.7	48
107	Imbalance between endothelium-derived relaxing and contracting factors in mesenteric arteries from aged OLETF rats, a model of Type 2 diabetes. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2007, 293, H1480-H1490.	1.5	89
108	Role of Lysophosphatidylcholine (LPC) in Atherosclerosis. <i>Current Medicinal Chemistry</i> , 2007, 14, 3209-3220.	1.2	292

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109	Vascular NAD(P)H oxidase mediates endothelial dysfunction in basilar arteries from Otsuka Long-Evans Tokushima Fatty (OLETF) rats. <i>Atherosclerosis</i> , 2007, 192, 15-24.	0.4	37
110	Mechanisms underlying the chronic pioglitazone treatment-induced improvement in the impaired endothelium-dependent relaxation seen in aortas from diabetic rats. <i>Free Radical Biology and Medicine</i> , 2007, 42, 993-1007.	1.3	69
111	Insulin-induced impairment via peroxynitrite production of endothelium-dependent relaxation and sarco/endoplasmic reticulum Ca ²⁺ -ATPase function in aortas from diabetic rats. <i>Free Radical Biology and Medicine</i> , 2007, 43, 431-443.	1.3	26
112	Enalapril improves impairment of SERCA-derived relaxation and enhancement of tyrosine nitration in diabetic rat aorta. <i>European Journal of Pharmacology</i> , 2007, 556, 121-128.	1.7	22
113	Specific impairment of endothelium-derived hyperpolarizing factor-type relaxation in mesenteric arteries from streptozotocin-induced diabetic mice. <i>Vascular Pharmacology</i> , 2006, 44, 450-460.	1.0	30
114	Apocynin normalizes hyperreactivity to phenylephrine in mesenteric arteries from cholesterol-fed mice by improving endothelium-derived hyperpolarizing factor response. <i>Free Radical Biology and Medicine</i> , 2006, 41, 1289-1303.	1.3	39
115	Mechanisms underlying the impaired EDHF-type relaxation response in mesenteric arteries from Otsuka Long-Evans Tokushima Fatty (OLETF) rats. <i>European Journal of Pharmacology</i> , 2006, 538, 132-140.	1.7	41
116	ANG II enhances contractile responses via PI3-kinase p110 β pathway in aortas from diabetic rats with systemic hyperinsulinemia. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2006, 291, H846-H853.	1.5	28
117	A Therapeutic Target for Microvascular Complications in Diabetes: Endothelium-Derived Hyperpolarizing Factor. <i>Current Cardiology Reviews</i> , 2006, 2, 185-191.	0.6	20
118	The PI3-K/Akt pathway: roles related to alterations in vasomotor responses in diabetic models. <i>Journal of Smooth Muscle Research</i> , 2005, 41, 283-302.	0.7	55
119	Effects of dual-action genistein derivatives on relaxation in rat aorta. <i>Journal of Smooth Muscle Research</i> , 2005, 41, 23-33.	0.7	7
120	Functional changes in adenylyl cyclases and associated decreases in relaxation responses in mesenteric arteries from diabetic rats. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2005, 289, H2234-H2243.	1.5	31
121	Cilostazol improves endothelium-derived hyperpolarizing factor-type relaxation in mesenteric arteries from diabetic rats. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2005, 289, H1933-H1940.	1.5	49
122	IGF-I-induced enhancement of contractile response in organ-cultured aortae from diabetic rats is mediated by sustained thromboxane A ₂ release from endothelial cells. <i>Journal of Endocrinology</i> , 2005, 186, 367-376.	1.2	21
123	Effect of phorbol 12,13-dibutyrate on smooth muscle tone in rat stomach fundus. <i>Journal of Smooth Muscle Research</i> , 2005, 41, 107-116.	0.7	6
124	Flow-induced endothelium-dependent vasoreactivity in rat mesenteric arterial bed. <i>Journal of Smooth Muscle Research</i> , 2004, 40, 1-14.	0.7	9
125	Diabetes-related changes in cAMP-dependent protein kinase activity and decrease in relaxation response in rat mesenteric artery. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2004, 287, H1064-H1071.	1.5	50
126	Differential expression of α 2D-adrenoceptor and eNOS in aortas from early and later stages of diabetes in Goto-Kakizaki rats. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2004, 287, H135-H148.	1.5	50

#	ARTICLE	IF	CITATIONS
127	Effect of chronic insulin on cromakalim-induced relaxation in established streptozotocinâ€“diabetic rat basilar artery. <i>European Journal of Pharmacology</i> , 2004, 504, 129-137.	1.7	13
128	Effects of chronic insulin on endothelial dysfunction of basilar arteries from established streptozotocin-diabetic rats. <i>European Journal of Pharmacology</i> , 2004, 504, 119-127.	1.7	21
129	Impairment of PI3-K/Akt Pathway Underlies Attenuated Endothelial Function in Aorta of Type 2 Diabetic Mouse Model. <i>Hypertension</i> , 2004, 44, 956-962.	1.3	127
130	Alterations in vascular endothelial function in the aorta and mesenteric artery in type II diabetic rats. <i>Canadian Journal of Physiology and Pharmacology</i> , 2004, 82, 175-182.	0.7	42
131	Mechanisms underlying enhanced contractile response to endothelin-1 in diabetic rat basilar artery. <i>Peptides</i> , 2004, 25, 1985-1994.	1.2	37
132	Modulations of shear stress-induced contractile responses and agonist-induced vasodilation in hypercholesterolemic rats. <i>Atherosclerosis</i> , 2004, 175, 31-38.	0.4	16
133	ENDOTHELIAL DYSFUNCTION IN DIABETIC ANIMAL MODELS. <i>Journal of Smooth Muscle Research Japanese Section</i> , 2004, 8, J49-J63.	0.1	2
134	Relationship between peroxisome proliferator-activated receptors (PPAR α and PPAR β) and endothelium-dependent relaxation in streptozotocin-induced diabetic rats. <i>British Journal of Pharmacology</i> , 2003, 140, 23-32.	2.7	58
135	Alterations in EDHF-type relaxation and phosphodiesterase activity in mesenteric arteries from diabetic rats. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2003, 285, H283-H291.	1.5	103
136	Phosphodiesterases in the Vascular System.. <i>Journal of Smooth Muscle Research</i> , 2003, 39, 67-86.	0.7	68
137	Mechanisms underlying the chronic pravastatin treatment-induced improvement in the impaired endothelium-dependent aortic relaxation seen in streptozotocin-induced diabetic rats. <i>British Journal of Pharmacology</i> , 2000, 131, 231-238.	2.7	69