

Muneyoshi Okada

List of Publications by Year in descending order

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Version: 2024-02-01

83
papers

1,525
citations

331670

21
h-index

361022

35
g-index

85
all docs

85
docs citations

85
times ranked

1960
citing authors

#	ARTICLE	IF	CITATIONS
1	Methylglyoxal mediates vascular inflammation via JNK and p38 in human endothelial cells. <i>American Journal of Physiology - Cell Physiology</i> , 2008, 295, C1510-C1517.	4.6	86
2	Histone Deacetylase 4 Controls Neointimal Hyperplasia via Stimulating Proliferation and Migration of Vascular Smooth Muscle Cells. <i>Hypertension</i> , 2014, 63, 397-403.	2.7	70
3	A novel adipocytokine, nesfatin-1 modulates peripheral arterial contractility and blood pressure in rats. <i>Biochemical and Biophysical Research Communications</i> , 2012, 418, 676-681.	2.1	67
4	Chemerin promotes the proliferation and migration of vascular smooth muscle and increases mouse blood pressure. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2015, 309, H1017-H1028.	3.2	64
5	Effects of Telmisartan on Right Ventricular Remodeling Induced by Monocrotaline in Rats. <i>Journal of Pharmacological Sciences</i> , 2009, 111, 193-200.	2.5	60
6	Death-Associated Protein Kinase 3 Mediates Vascular Inflammation and Development of Hypertension in Spontaneously Hypertensive Rats. <i>Hypertension</i> , 2012, 60, 1031-1039.	2.7	60
7	A novel adipocytokine, vaspin inhibits platelet-derived growth factor-BB-induced migration of vascular smooth muscle cells. <i>Biochemical and Biophysical Research Communications</i> , 2012, 423, 844-849.	2.1	48
8	Captopril Attenuates Matrix Metalloproteinase-2 and -9 in Monocrotaline-Induced Right Ventricular Hypertrophy in Rats. <i>Journal of Pharmacological Sciences</i> , 2008, 108, 487-494.	2.5	45
9	Enhanced gene expression of myocardial matrix metalloproteinases 2 and 9 after acute treatment with doxorubicin in mice. <i>Pharmacological Research</i> , 2006, 53, 341-346.	7.1	43
10	Canstatin inhibits hypoxia-induced apoptosis through activation of integrin/focal adhesion kinase/Akt signaling pathway in H9c2 cardiomyoblasts. <i>PLoS ONE</i> , 2017, 12, e0173051.	2.5	43
11	A novel adipocytokine, omentin, inhibits platelet-derived growth factor-BB-induced vascular smooth muscle cell migration through antioxidative mechanism. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2014, 306, H1714-H1719.	3.2	41
12	Endostatin stimulates proliferation and migration of adult rat cardiac fibroblasts through PI3K/Akt pathway. <i>European Journal of Pharmacology</i> , 2015, 750, 20-26.	3.5	38
13	Adipocytokine, omentin inhibits doxorubicin-induced H9c2 cardiomyoblasts apoptosis through the inhibition of mitochondrial reactive oxygen species. <i>Biochemical and Biophysical Research Communications</i> , 2015, 457, 602-607.	2.1	38
14	Plasma exosomes regulate systemic blood pressure in rats. <i>Biochemical and Biophysical Research Communications</i> , 2018, 503, 776-783.	2.1	36
15	A current perspective of canstatin, a fragment of type IV collagen alpha 2 chain. <i>Journal of Pharmacological Sciences</i> , 2019, 139, 59-64.	2.5	36
16	Prostaglandin E ₂ Promotes Wound-Induced Migration of Intestinal Subepithelial Myofibroblasts via EP2, EP3, and EP4 Prostanoid Receptor Activation. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2012, 340, 604-611.	2.5	35
17	A novel adipocytokine, omentin, inhibits monocrotaline-induced pulmonary arterial hypertension in rats. <i>Biochemical and Biophysical Research Communications</i> , 2014, 452, 142-146.	2.1	35
18	Eukaryotic elongation factor 2 kinase mediates monocrotaline-induced pulmonary arterial hypertension via reactive oxygen species-dependent vascular remodeling. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2015, 308, H1298-H1305.	3.2	35

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19	A Novel Adipocytokine, Omentin, Inhibits Agonists-Induced Increases of Blood Pressure in Rats. <i>Journal of Veterinary Medical Science</i> , 2013, 75, 1029-1034.	0.9	30
20	Canstatin inhibits isoproterenol-induced apoptosis through preserving mitochondrial morphology in differentiated H9c2 cardiomyoblasts. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2016, 21, 887-895.	4.9	25
21	Effects of Captopril and Telmisartan on Matrix Metalloproteinase-2 and -9 Expressions and Development of Left Ventricular Fibrosis Induced by Isoprenaline in Rats. <i>Biological and Pharmaceutical Bulletin</i> , 2010, 33, 1517-1521.	1.4	22
22	T3 peptide, a fragment of tumstatin, stimulates proliferation and migration of cardiac fibroblasts through activation of Akt signaling pathway. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2017, 390, 1135-1144.	3.0	21
23	Endostatin Stimulates Proliferation and Migration of Myofibroblasts Isolated from Myocardial Infarction Model Rats. <i>International Journal of Molecular Sciences</i> , 2018, 19, 741.	4.1	21
24	Levosimendan inhibits interleukin-1 β -induced apoptosis through activation of Akt and inhibition of inducible nitric oxide synthase in rat cardiac fibroblasts. <i>European Journal of Pharmacology</i> , 2015, 769, 86-92.	3.5	20
25	Canstatin stimulates migration of rat cardiac fibroblasts via secretion of matrix metalloproteinase-2. <i>American Journal of Physiology - Cell Physiology</i> , 2017, 312, C199-C208.	4.6	20
26	Long-term methylglyoxal treatment impairs smooth muscle contractility in organ-cultured rat mesenteric artery. <i>Pharmacological Research</i> , 2012, 65, 91-99.	7.1	19
27	Pathophysiological roles of canstatin on myofibroblasts after myocardial infarction in rats. <i>European Journal of Pharmacology</i> , 2017, 807, 32-43.	3.5	19
28	Levosimendan inhibits interleukin-1 β -induced cell migration and MMP-9 secretion in rat cardiac fibroblasts. <i>European Journal of Pharmacology</i> , 2013, 718, 332-339.	3.5	18
29	Death-associated protein kinase 3 mediates vascular structural remodelling via stimulating smooth muscle cell proliferation and migration. <i>Clinical Science</i> , 2014, 127, 539-548.	4.3	18
30	T3 peptide, an active fragment of tumstatin, inhibits H ₂ O ₂ -induced apoptosis in H9c2 cardiomyoblasts. <i>European Journal of Pharmacology</i> , 2017, 807, 64-70.	3.5	18
31	Canstatin modulates L-type calcium channel activity in rat ventricular cardiomyocytes. <i>Biochemical and Biophysical Research Communications</i> , 2018, 499, 954-959.	2.1	18
32	Mechanisms underlying impairment of endothelium-dependent relaxation by fetal bovine serum in organ-cultured rat mesenteric artery. <i>European Journal of Pharmacology</i> , 2011, 668, 401-406.	3.5	17
33	Expression profile of matricellular proteins in hypertrophied right ventricle of monocrotaline-induced pulmonary hypertensive rats. <i>Journal of Veterinary Medical Science</i> , 2017, 79, 1096-1102.	0.9	17
34	Cathepsin S degrades arretsen and canstatin in infarcted area after myocardial infarction in rats. <i>Journal of Veterinary Medical Science</i> , 2019, 81, 522-531.	0.9	17
35	Angiotensin 11 Enhances Interleukin-1.BETA-Induced MMP-9 Secretion in Adult Rat Cardiac Fibroblasts. <i>Journal of Veterinary Medical Science</i> , 2010, 72, 735-739.	0.9	16
36	Endostatin is protective against monocrotaline-induced right heart disease through the inhibition of T-type Ca ²⁺ channel. <i>Pflugers Archiv European Journal of Physiology</i> , 2016, 468, 1259-1270.	2.8	16

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37	Chemerin-9-induced contraction was enhanced through the upregulation of smooth muscle chemokine-like receptor 1 in isolated pulmonary artery of pulmonary arterial hypertensive rats. <i>Pflugers Archiv European Journal of Physiology</i> , 2020, 472, 335-342.	2.8	16
38	Canstatin suppresses isoproterenol-induced cardiac hypertrophy through inhibition of calcineurin/nuclear factor of activated T-cells pathway in rats. <i>European Journal of Pharmacology</i> , 2020, 871, 172849.	3.5	15
39	Visceral adipose tissue-derived serine protease inhibitor prevents the development of monocrotaline-induced pulmonary arterial hypertension in rats. <i>Pflugers Archiv European Journal of Physiology</i> , 2017, 469, 1425-1432.	2.8	14
40	Diverse distribution of tyrosine receptor kinase B isoforms in rat multiple tissues. <i>Journal of Veterinary Medical Science</i> , 2017, 79, 1516-1523.	0.9	14
41	Induction of Heparanase Gene Expression in Ventricular Myocardium of Rats with Isoproterenol-Induced Cardiac Hypertrophy. <i>Biological and Pharmaceutical Bulletin</i> , 2005, 28, 2331-2334.	1.4	13
42	New Insights into the Role of Basement Membrane-Derived Matricryptins in the Heart. <i>Biological and Pharmaceutical Bulletin</i> , 2017, 40, 2050-2060.	1.4	12
43	Mechanisms underlying the relaxation by A484954, a eukaryotic elongation factor 2 kinase inhibitor, in rat isolated mesenteric artery. <i>Journal of Pharmacological Sciences</i> , 2018, 137, 86-92.	2.5	12
44	Periostin Mediates Right Ventricular Failure through Induction of Inducible Nitric Oxide Synthase Expression in Right Ventricular Fibroblasts from Monocrotaline-Induced Pulmonary Arterial Hypertensive Rats. <i>International Journal of Molecular Sciences</i> , 2019, 20, 62.	4.1	12
45	Coordination of changes in expression and phosphorylation of eukaryotic elongation factor 2 (eEF2) and eEF2 kinase in hypertrophied cardiomyocytes. <i>Biochemistry and Biophysics Reports</i> , 2016, 7, 218-224.	1.3	10
46	Optimal Isolation Method of Small Extracellular Vesicles from Rat Plasma. <i>International Journal of Molecular Sciences</i> , 2019, 20, 4780.	4.1	10
47	Protective effect of T3 peptide, an active fragment of tumstatin, against ischemia/reperfusion injury in rat heart. <i>Journal of Pharmacological Sciences</i> , 2019, 139, 193-200.	2.5	10
48	Small extracellular vesicles from rat plasma promote migration and proliferation of vascular smooth muscle cells. <i>Journal of Veterinary Medical Science</i> , 2020, 82, 299-306.	0.9	10
49	Carbachol Induces Ca ²⁺ -Dependent Contraction via Muscarinic M2 and M3 Receptors in Rat Intestinal Subepithelial Myofibroblasts. <i>Journal of Pharmacological Sciences</i> , 2009, 110, 306-314.	2.5	9
50	Expression pattern and function of tyrosine receptor kinase B isoforms in rat mesenteric arterial smooth muscle cells. <i>Biochemical and Biophysical Research Communications</i> , 2015, 467, 683-689.	2.1	9
51	Vasculo-protective effect of BMS-309403 is independent of its specific inhibition of fatty acid-binding protein 4. <i>Pflugers Archiv European Journal of Physiology</i> , 2017, 469, 1177-1188.	2.8	9
52	Acute intracerebroventricular injection of chemerin-9 increases systemic blood pressure through activating sympathetic nerves via CMKLR1 in brain. <i>Pflugers Archiv European Journal of Physiology</i> , 2020, 472, 673-681.	2.8	9
53	Characterization of fibroblasts from hypertrophied right ventricle of pulmonary hypertensive rats. <i>Pflugers Archiv European Journal of Physiology</i> , 2018, 470, 1405-1417.	2.8	8
54	Eukaryotic elongation factor 2 (eEF2) kinase/eEF2 plays protective roles against glucose deprivation-induced cell death in H9c2 cardiomyoblasts. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2019, 24, 359-368.	4.9	8

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55	Preventive Effect of Canstatin against Ventricular Arrhythmia Induced by Ischemia/Reperfusion Injury: A Pilot Study. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1004.	4.1	8
56	Benzodiazepines Inhibit the Acetylcholine Receptor-Operated Potassium Current ($I_{K,ACh}$) by Different Mechanisms in Guinea-pig Atrial Myocytes. <i>Journal of Veterinary Medical Science</i> , 2012, 74, 879-884.	0.9	7
57	Eukaryotic elongation factor 2 kinase inhibitor, A484954 inhibits noradrenaline-induced acute increase of blood pressure in rats. <i>Journal of Veterinary Medical Science</i> , 2019, 81, 35-41.	0.9	7
58	Addition of adult serum improves endothelium-dependent relaxation of organ-cultured rat mesenteric artery via inhibiting mitochondrial reactive oxygen species. <i>Vascular Pharmacology</i> , 2013, 58, 105-111.	2.1	6
59	Long-term administration of recombinant canstatin prevents adverse cardiac remodeling after myocardial infarction. <i>Scientific Reports</i> , 2020, 10, 12881.	3.3	6
60	Chemerin-9 stimulates migration in rat cardiac fibroblasts in vitro. <i>European Journal of Pharmacology</i> , 2021, 912, 174566.	3.5	6
61	Chemokine-like Receptor 1 in Brain of Spontaneously Hypertensive Rats Mediates Systemic Hypertension. <i>International Journal of Molecular Sciences</i> , 2021, 22, 11812.	4.1	6
62	Endostatin inhibits T-type Ca^{2+} channel current in guinea pig ventricular myocyte. <i>Journal of Veterinary Medical Science</i> , 2015, 77, 1289-1291.	0.9	5
63	Expression and localization of calmodulin-related proteins in brain, heart and kidney from spontaneously hypertensive rats. <i>Biochemical and Biophysical Research Communications</i> , 2016, 469, 654-658.	2.1	5
64	Eukaryotic elongation factor 2 kinase inhibitor, A484954 potentiates β_2 -adrenergic receptor agonist-induced acute decrease in diastolic blood pressure in rats. <i>Journal of Veterinary Medical Science</i> , 2019, 81, 1509-1514.	0.9	5
65	Eukaryotic elongation factor 2 kinase inhibitor, A484954 lowered blood pressure in spontaneously hypertensive rats via inducing vasorelaxation. <i>Journal of Pharmacological Sciences</i> , 2020, 144, 165-171.	2.5	5
66	Eukaryotic elongation factor 2 kinase inhibitor, A484954 induces diuretic effect via renal vasorelaxation in spontaneously hypertensive rats. <i>European Journal of Pharmacology</i> , 2021, 913, 174637.	3.5	5
67	Negative Inotropic Effect of Carbachol and Interaction between Acetylcholine Receptor-Operated Potassium Channel (K_{ACh} Channel) and GTP Binding Protein in Mouse Isolated Atrium – A Novel Methodological Trial. <i>Journal of Veterinary Medical Science</i> , 2013, 75, 377-380.	0.9	4
68	Decreased Expression of Canstatin in Rat Model of Monocrotaline-Induced Pulmonary Arterial Hypertension: Protective Effect of Canstatin on Right Ventricular Remodeling. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6797.	4.1	4
69	Inhibitory Effects of Psychotropic Drugs on the Acetylcholine Receptor-Operated Potassium Current ($I_{K,ACh}$) in Guinea-Pig Atrial Myocytes. <i>Journal of Veterinary Medical Science</i> , 2013, 75, 743-747.	0.9	3
70	Thrombospondin-4 induces prolongation of action potential duration in rat isolated ventricular myocytes. <i>Journal of Veterinary Medical Science</i> , 2020, 82, 707-712.	0.9	3
71	Aberrant gene expression of heparanase in ventricular hypertrophy induced by monocrotaline in rats. <i>Journal of Veterinary Medical Science</i> , 2016, 78, 499-503.	0.9	2
72	Plasma small extracellular vesicles in hypertensive rats impair reactivity of isolated blood vessels. <i>Journal of Veterinary Medical Science</i> , 2020, 82, 897-902.	0.9	2

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73	A single injection of periostin decreases cardiac voltage-gated Na ⁺ channel in rat ventricles. <i>Journal of Veterinary Medical Science</i> , 2021, 83, 997-1003.	0.9	1
74	Age-dependent increase in activity of eukaryotic elongation factor 2 kinase in mesenteric arteries from spontaneously hypertensive rats. <i>Journal of Veterinary Medical Science</i> , 2021, 83, 42-47.	0.9	1
75	Cardiovascular Characteristics of Zucker Fatty Diabetes Mellitus Rats, an Animal Model for Obesity and Type 2 Diabetes. <i>International Journal of Molecular Sciences</i> , 2022, 23, 4228.	4.1	1
76	The alteration of molecular properties in plasma extracellular vesicles from spontaneously hypertensive rats. <i>Proceedings for Annual Meeting of the Japanese Pharmacological Society</i> , 2021, 94, 2-Y-E3-2.	0.0	0
77	Analysis of expression profile of brain-derived neurotrophic factor and its receptors in central nervous system in spontaneously hypertensive rats. <i>Proceedings for Annual Meeting of the Japanese Pharmacological Society</i> , 2018, WCP2018, OR1-1.	0.0	0
78	The effects of acute intracerebroventricular injection of chemerin-9 on systemic blood pressure in rats. <i>Proceedings for Annual Meeting of the Japanese Pharmacological Society</i> , 2018, WCP2018, OR1-2.	0.0	0
79	Elucidation of the role of canstatin, a proteolytic fragment of extracellular matrix, in cardiac diseases. <i>Proceedings for Annual Meeting of the Japanese Pharmacological Society</i> , 2018, WCP2018, AL2-2.	0.0	0
80	Regulatory mechanisms for expression of matricryptins after myocardial infarction in rats. <i>Proceedings for Annual Meeting of the Japanese Pharmacological Society</i> , 2018, WCP2018, PO1-2-75.	0.0	0
81	Chemerin-9-induced contraction of isolated pulmonary artery is enhanced in monocrotaline-induced pulmonary hypertensive rat. <i>Proceedings for Annual Meeting of the Japanese Pharmacological Society</i> , 2018, WCP2018, PO3-3-33.	0.0	0
82	T3 peptide, a fragment of tumstatin, prevents the ischemia-reperfusion injury in cardiomyocytes. <i>Proceedings for Annual Meeting of the Japanese Pharmacological Society</i> , 2018, WCP2018, PO1-2-65.	0.0	0
83	Effects of canstatin on L-type Ca ²⁺ channel activity in rat ventricular cardiomyocytes. <i>Proceedings for Annual Meeting of the Japanese Pharmacological Society</i> , 2018, WCP2018, PO4-2-9.	0.0	0