Katsuya Hirano

List of Publications by Year
in descending order

152	4,561	126708	123241
papers	citations	33 h-index	61 g-index

157	157	157	4372
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Hydrogen peroxide is an endothelium-derived hyperpolarizing factor in mice. Journal of Clinical Investigation, 2000, 106, 1521-1530.	3.9	645
2	Peroxisome Proliferator-Activated Receptor Î³ Activators Downregulate Angiotensin II Type 1 Receptor in Vascular Smooth Muscle Cells. Circulation, 2000, 102, 1834-1839.	1.6	165
3	The Roles of Proteinase-Activated Receptors in the Vascular Physiology and Pathophysiology. Arteriosclerosis, Thrombosis, and Vascular Biology, 2007, 27, 27-36.	1.1	154
4	Current Topics in the Regulatory Mechanism Underlying the Ca2+ Sensitization of the Contractile Apparatus in Vascular Smooth Muscle. Journal of Pharmacological Sciences, 2007, 104, 109-115.	1.1	144
5	Downregulation of Angiotensin II Type 1 Receptor by Hydrophobic 3-Hydroxy-3-Methylglutaryl Coenzyme A Reductase Inhibitors in Vascular Smooth Muscle Cells. Arteriosclerosis, Thrombosis, and Vascular Biology, 2001, 21, 1896-1901.	1.1	123
6	Role of Protease-activated Receptors in the Vascular System. Journal of Atherosclerosis and Thrombosis, 2003, 10, 211-225.	0.9	100
7	Interactions of the Subunits of Smooth Muscle Myosin Phosphatase. Journal of Biological Chemistry, 1997, 272, 3683-3688.	1.6	91
8	Interactions and Properties of Smooth Muscle Myosin Phosphataseâ€. Biochemistry, 1996, 35, 6313-6320.	1.2	89
9	Myotonic dystrophy protein kinase phosphorylates the myosin phosphatase targeting subunit and inhibits myosin phosphatase activity. FEBS Letters, 2001, 493, 80-84.	1.3	86
10	Endothelin-induced CA-independent contraction of the porcine coronary artery. Biochemical and Biophysical Research Communications, 1989, 160, 1302-1308.	1.0	80
11	Ca 2+ SENSITIZATION IN CONTRACTION OF HUMAN BLADDER SMOOTH MUSCLE. Journal of Urology, 2004, 172, 748-752.	0.2	79
12	Protein kinase network in the regulation of phosphorylation and dephosphorylation of smooth muscle myosin light chain. Molecular and Cellular Biochemistry, 2003, 248, 105-114.	1.4	76
13	Effects of diltiazem on calcium concentrations in the cytosol and on force of contractions in porcine coronary arterial strips. British Journal of Pharmacology, 1990, 101, 273-280.	2.7	75
14	Downregulation of Vascular Angiotensin II Type 1 Receptor by Thyroid Hormone. Hypertension, 2003, 41, 598-603.	1.3	75
15	Regulation of myosin phosphorylation and myofilament Ca²⁺ sensitivity in vascular smooth muscle. Journal of Smooth Muscle Research, 2004, 40, 219-236.	0.7	72
16	Long-Term Inhibition of RhoA Attenuates Vascular Contractility by Enhancing Endothelial NO Production in an Intact Rabbit Mesenteric Artery. Circulation Research, 2005, 96, 1014-1021.	2.0	68
17	Purinergic P2Y ₆ receptors heterodimerize with angiotensin AT1 receptors to promote angiotensin IIâ€“induced hypertension. Science Signaling, 2016, 9, ra7.	1.6	63
18	Interaction of protein phosphatase type 1 with a splicing factor. FEBS Letters, 1996, 389, 191-194.	1.3	61

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19	Cellular Mechanism of Vasoconstriction Induced by Angiotensin II. Circulation Research, 2003, 93, 1015-1017.	2.0	59
20	Minimal Requirements for the Nuclear Localization of p27Kip1, a Cyclin-Dependent Kinase Inhibitor. Biochemical and Biophysical Research Communications, 2000, 274, 37-42.	1.0	57
21	Prevention of the Hypercontractile Response to Thrombin by Proteinase-Activated Receptor-1 Antagonist in Subarachnoid Hemorrhage. Stroke, 2007, 38, 3259-3265.	1.0	57
22	Interaction of the Ribosomal Protein, L5, with Protein Phosphatase Type 1. Journal of Biological Chemistry, 1995, 270, 19786-19790.	1.6	54
23	Involvement of de novo ceramide synthesis in radiocontrast-induced renal tubular cell injury. Kidney International, 2006, 69, 288-297.	2.6	48
24	Contractile Properties of the Cultured Vascular Smooth Muscle Cells. Circulation Research, 2005, 96, 890-897.	2.0	46
25	Effects of okadaic acid on cytosolic calcium concentrations and on contractions of the porcine coronary artery. British Journal of Pharmacology, 1989, 98, 1261-1266.	2.7	45
26	Cilostazol Suppresses Angiotensin IIâ€“Induced Vasoconstriction via Protein Kinase Aâ€“Mediated Phosphorylation of the Transient Receptor Potential Canonical 6 Channel. Arteriosclerosis, Thrombosis, and Vascular Biology, 2011, 31, 2278-2286.	1.1	44
27	Changes in the cytoskeleton of 3T3 fibroblasts induced by the phosphatase inhibitor, calyculin-A. Journal of Muscle Research and Cell Motility, 1992, 13, 341-353.	0.9	43
28	Thrombin causes endothelium-dependent biphasic regulation of vascular tone in the porcine renal interlobar artery. British Journal of Pharmacology, 2000, 131, 1635-1642.	2.7	42
29	Myosin di-phosphorylation and peripheral actin bundle formation as initial events during endothelial barrier disruption. Scientific Reports, 2016, 6, 20989.	1.6	41
30	Mechanisms of Vasorelaxation Induced by Troglitazone, a Novel Antidiabetic Drug, in the Porcine Coronary Artery. Circulation, 1998, 98, 2446-2452.	1.6	39
31	Inhibitory Effects of Breast Milk-Derived Lactobacillus rhamnosus Probio-M9 on Colitis-Associated Carcinogenesis by Restoration of the Gut Microbiota in a Mouse Model. Nutrients, 2021, 13, 1143.	1.7	39
32	Stimulus-specific alteration of the relationship between cytosolic Ca2+ transients and nitric oxide production in endothelial cells ex vivo. British Journal of Pharmacology, 2000, 130, 1140-1146.	2.7	37
33	Dimethyl sulphoxide relaxes rabbit detrusor muscle by decreasing the Ca2+ sensitivity of the contractile apparatus. British Journal of Pharmacology, 2007, 151, 1014-1024.	2.7	35
34	Expression, Subcellular Localization, and Cloning of the 130-kDa Regulatory Subunit of Myosin Phosphatase in Porcine Aortic Endothelial Cells. Biochemical and Biophysical Research Communications, 1999, 254, 490-496.	1.0	34
35	Mechanism of endothelium-dependent relaxation induced by thrombin in the pig coronary artery. European Journal of Pharmacology, 1998, 351, 67-77.	1.7	33
36	Long-term inhibition of Rho kinase suppresses intimal thickening in autologous vein grafts in rabbits. Journal of Vascular Surgery, 2006, 43, 1249-1256.	0.6	33

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37	Pivotal Role of Rho-Associated Kinase 2 in Generating the Intrinsic Circadian Rhythm of Vascular Contractility. Circulation, 2013, 127, 104-114.	1.6	33
38	Hydroxyfasudil, an Active Metabolite of Fasudil Hydrochloride, Relaxes the Rabbit Basilar Artery by Disinhibition of Myosin Light Chain Phosphatase. Journal of Cerebral Blood Flow and Metabolism, 2001, 21, 876-885.	2.4	32
39	Upâ€regulation of proteinaseâ€activated receptor 1 and increased contractile responses to thrombin after subarachnoid haemorrhage. British Journal of Pharmacology, 2007, 152, 1131-1139.	2.7	32
40	Transcriptional Up-regulation of p27Kip1 during Contact-Induced Growth Arrest in Vascular Endothelial Cells. Experimental Cell Research, 2001, 271, 356-367.	1.2	31
41	Unproductive cleavage and the inactivation of protease-activated receptor-1 by trypsin in vascular endothelial cells. British Journal of Pharmacology, 2003, 138, 121-130.	2.7	31
42	Impaired Feedback Regulation of the Receptor Activity and the Myofilament Ca²⁺ Sensitivity Contributes to Increased Vascular Reactiveness after Subarachnoid Hemorrhage. Journal of Cerebral Blood Flow and Metabolism, 2010, 30, 1637-1650.	2.4	31
43	Interactions of protein phosphatase type 1, with a focus on myosin phosphatase. , 1999, 190, 79-84.		30
44	The mechanism of bradykinin-induced endothelium-dependent contraction and relaxation in the porcine interlobar renal artery. British Journal of Pharmacology, 2000, 129, 943-952.	2.7	30
45	Mechanism of down-regulation of L-type Ca2+ channel in the proliferating smooth muscle cells of rat aorta. Journal of Cellular Biochemistry, 2002, 87, 242-251.	1.2	30
46	Distinct Ca2+ Requirement for NO Production between Proteinase-Activated Receptor 1 and 4 (PAR1) Tj ETQq0 0 0 rgBT /Overlock 10 T 2007, 322, 668-677.	1.3	30
47	Mechanisms of galanin-induced contraction in the rat myometrium. British Journal of Pharmacology, 1998, 124, 1623-1632.	2.7	29
48	Leukotriene C4 enhances the contraction of porcine tracheal smooth muscle through the activation of Y-27632, a rho kinase inhibitor, sensitive pathway. British Journal of Pharmacology, 2001, 132, 111-118.	2.7	27
49	Rho-kinase inhibitor inhibits both myosin phosphorylation-dependent and -independent enhancement of myofilament Ca2+ sensitivity in the bovine middle cerebral artery. British Journal of Pharmacology, 2003, 140, 871-880.	2.7	27
50	Enhanced Contractile Response of the Basilar Artery to Platelet-Derived Growth Factor in Subarachnoid Hemorrhage. Stroke, 2009, 40, 591-596.	1.0	25
51	Mechanisms Underlying Potentiation of Endothelin-1-Induced Myofilament Ca²⁺ Sensitization after Subarachnoid Hemorrhage. Journal of Cerebral Blood Flow and Metabolism, 2012, 32, 341-352.	2.4	25
52	Vasorelaxation and inhibition of the voltage-operated Ca2+ channels by FK506 in the porcine coronary artery. British Journal of Pharmacology, 1999, 126, 717-729.	2.7	24
53	Enhanced contractile response to thrombin in the pregnant rat myometrium. British Journal of Pharmacology, 2000, 131, 1619-1628.	2.7	24
54	Modulation of Ca 2+ Sensitivity Regulates Contractility of Rabbit Corpus Cavernosum Smooth Muscle. Journal of Urology, 2003, 169, 2412-2416.	0.2	24

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55	Upregulation of Proteinase-Activated Receptor-2 and Increased Response to Trypsin in Endothelial Cells after Exposure to Oxidative Stress in Rat Aortas. Journal of Vascular Research, 2010, 47, 494-506.	0.6	24
56	Intracellular alkalinization induces Ca2+ influx via non-voltage-operated Ca2+ channels in rat aortic smooth muscle cells. Cell Calcium, 2003, 34, 477-484.	1.1	23
57	Akt plays a central role in the anti-apoptotic effect of estrogen in endothelial cells. Biochemical and Biophysical Research Communications, 2004, 324, 321-325.	1.0	23
58	Combined argatroban and antiâ€oxidative agents prevents increased vascular contractility to thrombin and other ligands after subarachnoid haemorrhage. British Journal of Pharmacology, 2012, 165, 106-119.	2.7	23
59	An Important Role for the Na + â€Ca 2+ Exchanger in the Decrease in Cytosolic Ca 2+ Concentration induced by Isoprenaline in the Porcine Coronary Artery. Journal of Physiology, 2003, 549, 553-562.	1.3	22
60	Involvement of STIM1 in the proteinaseâ€activated receptor 1â€mediated Ca²⁺ influx in vascular endothelial cells. Journal of Cellular Biochemistry, 2009, 108, 499-507.	1.2	22
61	A protease-activated receptor-1 antagonist protects against podocyte injury in a mouse model of nephropathy. Journal of Pharmacological Sciences, 2017, 135, 81-88.	1.1	22
62	Protein phosphatases 1 and 2A and their naturally occurring inhibitors: current topics in smooth muscle physiology and chemical biology. Journal of Physiological Sciences, 2018, 68, 1-17.	0.9	22
63	Pro-Arrhythmic Signaling of Thyroid Hormones and Its Relevance in Subclinical Hyperthyroidism. International Journal of Molecular Sciences, 2020, 21, 2844.	1.8	22
64	NH2-terminal fragments of the 130 kDa subunit of myosin phosphatase increase the Ca2+sensitivity of porcine renal artery. Journal of Physiology, 1999, 516, 55-65.	1.3	21
65	Thapsigargin-induced endothelium-dependent triphasic regulation of vascular tone in the porcine renal artery. British Journal of Pharmacology, 1999, 128, 689-699.	2.7	21
66	Mechanism of trypsin-induced contraction in the rat myometrium: the possible involvement of a novel member of protease-activated receptor. British Journal of Pharmacology, 2001, 133, 1276-1285.	2.7	21
67	Involvement of Reactive Oxygen Species in Thrombin-induced Pulmonary Vasoconstriction. American Journal of Respiratory and Critical Care Medicine, 2010, 182, 1435-1444.	2.5	21
68	Temporal changes in the calciumâ€force relation during histamineâ€induced contractions of strips of the coronary artery of the pig. British Journal of Pharmacology, 1991, 102, 27-34.	2.7	20
69	Mechanism of trypsin-induced endothelium-dependent vasorelaxation in the porcine coronary artery. British Journal of Pharmacology, 2001, 134, 815-826.	2.7	19
70	Lactulose Modulates the Structure of Gut Microbiota and Alleviates Colitis-Associated Tumorigenesis. Nutrients, 2022, 14, 649.	1.7	19
71	Enhancement by captopril of bradykinin-induced calcium transients in cultured endothelial cells of the bovine aorta. European Journal of Pharmacology, 1993, 244, 133-137.	2.7	18
72	Rac1 Regulation of Surface Expression of Protease-Activated Receptor-1 and Responsiveness to Thrombin in Vascular Smooth Muscle Cells. Arteriosclerosis, Thrombosis, and Vascular Biology, 2005, 25, 1506-1511.	1.1	18

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73	Basic and Translational Research on Proteinase-Activated Receptors: The Role of Thrombin Receptor in Cerebral Vasospasm in Subarachnoid Hemorrhage. Journal of Pharmacological Sciences, 2008, 108, 426-432.	1.1	18
74	Effects of glibenclamide on cytosolic calcium concentrations and on contraction of the rabbit aorta. British Journal of Pharmacology, 1991, 102, 113-118.	2.7	17
75	Theophylline attenuates Ca2+ sensitivity and modulates BK channels in porcine tracheal smooth muscle. British Journal of Pharmacology, 2003, 140, 939-947.	2.7	17
76	Upregulation of proteinase-activated receptors and hypercontractile responses precede development of arterial lesions after balloon injury. American Journal of Physiology - Heart and Circulatory Physiology, 2006, 291, H2388-H2395.	1.5	17
77	Current Perspective on the Role of the Thrombin Receptor in Cerebral Vasospasm After Subarachnoid Hemorrhage. Journal of Pharmacological Sciences, 2010, 114, 127-133.	1.1	17
78	Nicorandil prevents sirolimus-induced production of reactive oxygen species, endothelial dysfunction, and thrombus formation. Journal of Pharmacological Sciences, 2015, 127, 284-291.	1.1	17
79	Proteolysis and phosphorylation-mediated regulation of thrombin receptor activity in in situ endothelial cells. European Journal of Pharmacology, 2000, 389, 13-23.	1.7	16
80	Endothelial dysfunction and altered bradykinin response due to oxidative stress induced by serum deprivation in the bovine cerebral artery. European Journal of Pharmacology, 2004, 491, 53-60.	1.7	16
81	Physiology and Pathophysiology of Proteinase-Activated Receptors (PARs): Regulation of the Expression of PARs. Journal of Pharmacological Sciences, 2005, 97, 31-37.	1.1	16
82	Involvement of S1P 1 receptor pathway in angiogenic effects of a novel adenosineâ€like nucleic acid analog COA â€Cl in cultured human vascular endothelial cells. Pharmacology Research and Perspectives, 2014, 2, e00068.	1.1	16
83	Troglitazone inhibits the capacitative Ca2+ entry in endothelial cells. European Journal of Pharmacology, 1999, 373, 111-120.	1.7	15
84	Mechanisms of the thapsigargin-induced Ca2+ entry in in situ endothelial cells of the porcine aortic valve and the endothelium-dependent relaxation in the porcine coronary artery. British Journal of Pharmacology, 2000, 131, 115-123.	2.7	15
85	Cloning and functional expression of a degradation-resistant novel isoform of p27Kip1. Biochemical Journal, 2001, 353, 51-57.	1.7	15
86	Inhibition of interferon-Î³-activated nuclear factor-ÎºB by cyclosporin A: a possible mechanism for synergistic induction of apoptosis by interferon-Î³ and cyclosporin A in gastric carcinoma cells. Biochemical and Biophysical Research Communications, 2003, 305, 797-805.	1.0	15
87	Thrombin activation of proteinaseâ€activated receptor 1 potentiates the myofilament Ca²⁺ sensitivity and induces vasoconstriction in porcine pulmonary arteries. British Journal of Pharmacology, 2010, 159, 919-927.	2.7	15
88	Ubiquinone binding site of yeast NADH dehydrogenase revealed by structures binding novel competitive- and mixed-type inhibitors. Scientific Reports, 2018, 8, 2427.	1.6	15
89	Proteinase-activated receptor 1 antagonism ameliorates experimental pulmonary hypertension. Cardiovascular Research, 2019, 115, 1357-1368.	1.8	15
90	Chronic Inhibition of Tollâ€Like Receptor 9 Ameliorates Pulmonary Hypertension in Rats. Journal of the American Heart Association, 2021, 10, e019247.	1.6	15

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91	Inactivation of protease-activated receptor-1 by proteolytic removal of the ligand region in vascular endothelial cells. Biochemical Pharmacology, 2004, 68, 23-32.	2.0	13
92	Involvement of Gi/o in the PAR-4-induced NO production in endothelial cells. Biochemical and Biophysical Research Communications, 2006, 342, 365-371.	1.0	13
93	Voltage-dependent N-type Ca2+ channels in endothelial cells contribute to oxidative stress-related endothelial dysfunction induced by angiotensin II in mice. Biochemical and Biophysical Research Communications, 2013, 434, 210-216.	1.0	13
94	Functional loss of DHRS7C induces intracellular Ca²⁺ overload and myotube enlargement in C2C12 cells via calpain activation. American Journal of Physiology - Cell Physiology, 2017, 312, C29-C39.	2.1	13
95	COA-Cl prevented TGF-Î²1-induced CTGF expression by Akt dephosphorylation in normal human dermal fibroblasts, and it attenuated skin fibrosis in mice models of systemic sclerosis. Journal of Dermatological Science, 2019, 94, 205-212.	1.0	13
96	Changes in the cytosolic Ca2+ concentration and Ca2+ -sensitivity of the contractile apparatus during angiotensin II-induced desensitization in the rabbit femoral artery. British Journal of Pharmacology, 2000, 129, 425-436.	2.7	12
97	Mechanisms underlying the neurokinin A-induced contraction of the pregnant rat myometrium. British Journal of Pharmacology, 2000, 130, 1165-1173.	2.7	12
98	Dissociation between the Ca2+ signal and tube formation induced by vascular endothelial growth factor in bovine aortic endothelial cells. European Journal of Pharmacology, 2000, 398, 19-29.	1.7	12
99	A key role of PGC-1Î± transcriptional coactivator in production of VEGF by a novel angiogenic agent COA-Cl in cultured human fibroblasts. Physiological Reports, 2016, 4, e12742.	0.7	12
100	Transduction of the N-Terminal Fragments of MYPT1 Enhances Myofilament Ca 2+ Sensitivity in an Intact Coronary Artery. Arteriosclerosis, Thrombosis, and Vascular Biology, 2004, 24, 464-469.	1.1	11
101	A critical period requiring Rho proteins for cell cycle progression uncovered by reversible protein transduction in endothelial cells. FEBS Letters, 2004, 570, 149-154.	1.3	11
102	Involvement of Na+ -Ca2+ exchanger in cAMP-mediated relaxation in mice aorta: Evaluation using transgenic mice. British Journal of Pharmacology, 2007, 150, 434-444.	2.7	11
103	Cloning and characterization of a protein phosphatase type 1-binding subunit from smooth muscle similar to the glycogen-binding subunit of liver. BBA - Proteins and Proteomics, 1997, 1339, 177-180.	2.1	10
104	The Exogenously Added Small Subunit of Smooth Muscle Myosin Phosphatase Increases the Ca2+Sensitivity of the Contractile Apparatus in the Permeabilized Porcine Renal Artery. Biochemical and Biophysical Research Communications, 1999, 254, 158-163.	1.0	10
105	Differential effects of progesterone and 17Î²-estradiol on the Ca2+ entry induced by thapsigargin and endothelin-1 in in situ endothelial cells. Biochimica Et Biophysica Acta - Molecular Cell Research, 2000, 1499, 109-121.	1.9	10
106	Inhibitory effects of brefeldin A, a membrane transport blocker, on the bradykinin-induced hyperpolarization-mediated relaxation in the porcine coronary artery. British Journal of Pharmacology, 2001, 134, 168-178.	2.7	10
107	Eicosapentaenoic acid ameliorates pulmonary hypertension via inhibition of tyrosine kinase Fyn. Journal of Molecular and Cellular Cardiology, 2020, 148, 50-62.	0.9	10
108	Novel Dual Endothelin Receptor Antagonist Macitentan Reverses Severe Pulmonary Arterial Hypertension in Rats. Journal of Cardiovascular Pharmacology, 2014, 64, 473-480.	0.8	9

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109	Cytosolic Ca2+ transients in endothelium-dependent relaxation of pig coronary artery, and effects of captopril. European Journal of Pharmacology, 1993, 250, 439-446.	1.7	8
110	The mechanism for the contraction induced by leukotriene C4 in guinea-pig taenia coli. British Journal of Pharmacology, 2001, 133, 529-538.	2.7	8
111	Ca 2+ influx in the endothelial cells is required for the bradykininâ€induced endotheliumâ€dependent contraction in the porcine interlobar renal artery. Journal of Physiology, 2001, 534, 701-711.	1.3	8
112	Neuronatin is related to keratinocyte differentiation by up-regulating involucrin. Journal of Dermatological Science, 2014, 73, 225-231.	1.0	8
113	Role of extracellular and intracellular sources of Ca²⁺ in sarafotoxin S6bâ€induced contraction of strips of the rat aorta. British Journal of Pharmacology, 1993, 108, 30-37.	2.7	7
114	The mechanism of the decrease in cytosolic Ca2+ concentrations induced by angiotensin II in the high K+ -depolarized rabbit femoral artery. British Journal of Pharmacology, 2000, 129, 437-447.	2.7	7
115	Mitogen-induced up-regulation of non-smooth muscle isoform of Î±-tropomyosin in rat aortic smooth muscle cells. European Journal of Pharmacology, 2000, 406, 209-218.	1.7	7
116	The mechanisms for tachykinin-induced contractions of the rabbit corpus cavernosum. British Journal of Pharmacology, 2002, 137, 845-854.	2.7	6
117	Sequence requirement for nuclear localization and growth inhibition of p27Kip1R, a degradation-resistant isoform of p27Kip1. Journal of Cellular Biochemistry, 2003, 89, 191-202.	1.2	6
118	Enhancement of trypsin-induced contraction by in vivo treatment with 17Î² -estradiol and progesterone in rat myometrium. British Journal of Pharmacology, 2005, 146, 425-434.	2.7	6
119	Prostaglandin F2Î±, but Not Latanoprost, Increases the Ca2+Sensitivity of the Pig Iris Sphincter Muscle. , 2006, 47, 4865.		6
120	Functional role of PKC in contraction of cultured human prostatic stromal cells. Journal of Cellular Biochemistry, 2005, 96, 65-78.	1.2	5
121	Endogenous Hydrogen Sulfide Contributes to Tone Generation in Porcine Lower Esophageal Sphincter Via Na+/Ca2+ Exchanger. Cellular and Molecular Gastroenterology and Hepatology, 2018, 5, 209-221.	2.3	5
122	Expression and function of Î±1-adrenoceptor subtypes in the porcine renal artery. European Journal of Pharmacology, 1998, 341, 95-103.	1.7	4
123	Alteration of the [Ca2+]i -force relationship during the vasorelaxation induced by a Ca2+ channel blocker SR33805 in the porcine coronary artery. British Journal of Pharmacology, 2000, 131, 1597-1606.	2.7	4
124	Facilitation of proteasomal degradation of p27Kip1by N-terminal cleavage and their sequence requirements. FEBS Letters, 2004, 574, 111-115.	1.3	4
125	Plasmin Induces Endothelium-Dependent Nitric Oxideâ€“Mediated Relaxation in the Porcine Coronary Artery. Arteriosclerosis, Thrombosis, and Vascular Biology, 2007, 27, 949-954.	1.1	4
126	Increase in tumor suppressor Arf compensates gene dysregulation in in vitro aged adipocytes. Biogerontology, 2017, 18, 55-68.	2.0	4

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127	Involvement of different receptor subtypes in prostaglandin E2-induced contraction and relaxation in the lower esophageal sphincter and esophageal body. European Journal of Pharmacology, 2019, 857, 172405.	1.7	4
128	Cloning and functional expression of a degradation-resistant novel isoform of p27Kip1. Biochemical Journal, 2000, 353, 51.	1.7	3
129	Rac1-dependent transcriptional up-regulation of p27Kip1 by homophilic cellâ€“cell contact in vascular endothelial cells. Biochimica Et Biophysica Acta - Molecular Cell Research, 2007, 1773, 1500-1510.	1.9	3
130	Trypsin-induced biphasic regulation of tone in the porcine lower esophageal sphincter. European Journal of Pharmacology, 2015, 752, 97-105.	1.7	3
131	Trypsin induces biphasic muscle contraction and relaxation via transient receptor potential vanilloid 1 and neurokinin receptors 1/2 in porcine esophageal body. European Journal of Pharmacology, 2017, 797, 65-74.	1.7	3
132	Coagulation factor XI induces Ca2+response and accelerates cell migration in vascular smooth muscle cells via proteinase-activated receptor 1. American Journal of Physiology - Cell Physiology, 2019, 316, C377-C392.	2.1	3
133	Substantial involvement of TRPM7 inhibition in the therapeutic effect of Ophiocordyceps sinensis on pulmonary hypertension. Translational Research, 2021, 233, 127-143.	2.2	3
134	The effects of a novel vasodilator, LPâ€805, on cytosolic Ca²⁺concentrations and on tension in rabbit isolated femoral arteries. British Journal of Pharmacology, 1994, 113, 1173-1182.	2.7	2
135	The mechanism underlying the contractile effect of a chemotactic peptide, formyl-Met-Leu-Phe on the guinea-pig Taenia coli. British Journal of Pharmacology, 2005, 145, 353-363.	2.7	2
136	Basic and Translational Research on Proteinase-Activated Receptors: Preface. Journal of Pharmacological Sciences, 2008, 108, 406-407.	1.1	2
137	Measurement of [Ca2+]i in Smooth Muscle Strips Using Front-Surface Fluorimetry. Methods in Molecular Biology, 2013, 937, 207-216.	0.4	2
138	Endothelium-Dependent and Independent Enhancement of Vascular Contractility in the Ovariectomized Rabbit. Journal of the Society for Gynecologic Investigation, 2004, 11, 272-279.	1.9	1
139	The Unique Property of the Pulmonary Artery Regarding the Smooth Muscle Effects of Proteinase-Activated Receptor 1: The Possible Contribution to the Pathogenesis of Pulmonary Hypertension. , 2017, , 77-87.		1
140	Morphological changes of cultured cells induced by phosphatase inhibitors*1. Journal of Molecular and Cellular Cardiology, 1992, 24, S63.	0.9	0
141	Tu1829 Trypsin Induced BiPhasic Contraction and Relaxation in the Porcine Lower Esophageal Sphincter. Gastroenterology, 2013, 144, S-857.	0.6	0
142	Tu1877 Different Contractile and Relaxant Effects of Trypsin in Phasic Smooth Muscles of the Esophageal Body and the Tonic Lower Esophageal Sphincter. Gastroenterology, 2014, 146, S-862.	0.6	0
143	Potential of proteinase-activated receptors as a novel target for treatment of pulmonary hypertension. Folia Pharmacologica Japonica, 2014, 143, 182-186.	0.1	0
144	375 Endogenous H2S Contributes to Myogenic Tone Generation in Lower Esophageal Sphincter: Possible Involvement of Na+/CA2+ Exchanger. Gastroenterology, 2015, 148, S-78.	0.6	0

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145	Su1066 Trypsin Induced a Transient Contraction via a PAR2/TRPV1/Neurokinin Receptors Pathway in Circular Smooth Muscle of Porcine Esophageal Body. Gastroenterology, 2016, 150, S458.	0.6	0
146	Su1067 Involvement of Different Subtypes of Receptor in Prostaglandin E2-Induced Motile Function in Lower Esophageal Sphincter and Esophageal Body Smooth Muscle. Gastroenterology, 2016, 150, S458.	0.6	0
147	Intrinsic circadian oscillation of myosin light chain phosphorylation in vascular smooth muscle cells. FASEB Journal, 2010, 24, 985.14.	0.2	0
148	Interactions of protein phosphatase type 1, with a focus on myosin phosphatase. , 1999, , 79-84.		0
149	Abstract 15241: Proteinase-activated Receptor 1 Antagonist Inhibited the Progression of Monocrotaline Induced Pulmonary Hypertension in Rats. Circulation, 2015, 132, .	1.6	0
150	A role of coagulation factor XI as a regulator of vascular smooth muscle migration. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2018, WCP2018, PO3-3-21.	0.0	0
151	Proteinase-activated receptor 1 (PAR₁)-mediated cellular effects of coagulation factor XI in vascular smooth muscle cells. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2019, 92, 2-O-30.	0.0	0
152	Therapeutic effect of lactulose on intestinal flora structure and composition in colitis-associated tumorigenesis. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2022, 95, 2-O-094.	0.0	0