

# Tomohisa Ishikawa

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4775760/publications.pdf>

Version: 2024-02-01

76  
papers

1,154  
citations

393982

19  
h-index

433756

31  
g-index

85  
all docs

85  
docs citations

85  
times ranked

1145  
citing authors

#	ARTICLE	IF	CITATIONS
1	Positive chronotropic effects of endothelin, a novel endothelium-derived vasoconstrictor peptide. Pflugers Archiv European Journal of Physiology, 1988, 413, 108-110.	1.3	186
2	Intrahepatic expression of the co-stimulatory molecules programmed death-1, and its ligands in autoimmune liver disease. Pathology International, 2007, 57, 485-492.	0.6	54
3	Dual effect of nitric oxide on cytosolic Ca <sup>2+</sup> concentration and insulin secretion in rat pancreatic $\beta$ -cells. American Journal of Physiology - Cell Physiology, 2003, 284, C1215-C1222.	2.1	52
4	Interactive Role of Protein Kinase C- $\delta$ with Rho-Kinase in the Development of Cerebral Vasospasm in a Canine Two-Hemorrhage Model. Journal of Vascular Research, 2005, 42, 67-76.	0.6	50
5	Role of $\alpha_2C$ -adrenoceptors in the reduction of skin blood flow induced by local cooling in mice. British Journal of Pharmacology, 2007, 152, 91-100.	2.7	41
6	Effects of Capsaicin on Nonadrenergic Noncholinergic Nerves in the Guinea Pig Atria. Journal of Cardiovascular Pharmacology, 1987, 10, 675-682.	0.8	39
7	Dual Role of Nitric Oxide in Pancreatic $\beta$ -Cells. Journal of Pharmacological Sciences, 2013, 123, 295-300.	1.1	36
8	Local regulation of skin blood flow during cooling involving presynaptic P2 purinoceptors in rats. British Journal of Pharmacology, 2006, 148, 579-586.	2.7	35
9	Passive stretching produces Akt- and MAPK-dependent augmentations of GLUT4 translocation and glucose uptake in skeletal muscles of mice. Pflugers Archiv European Journal of Physiology, 2006, 451, 803-813.	1.3	32
10	Local neurogenic regulation of rat hindlimb circulation: role of calcitonin gene-related peptide in vasodilatation after skeletal muscle contraction. British Journal of Pharmacology, 1997, 122, 703-709.	2.7	31
11	Specific inhibition of stretch-induced increase in L-type calcium channel currents by herbimycin A in canine basilar arterial myocytes. British Journal of Pharmacology, 2000, 130, 923-931.	2.7	30
12	Interactive role of tyrosine kinase, protein kinase C, and Rho/Rho kinase systems in the mechanotransduction of vascular smooth muscles. Biorheology, 2003, 40, 307-14.	1.2	28
13	Depression of Type I Diacylglycerol Kinases in Pancreatic $\beta$ -Cells From Male Mice Results in Impaired Insulin Secretion. Endocrinology, 2013, 154, 4089-4098.	1.4	27
14	Constitutive nitric oxide synthases in rat pancreatic islets: direct imaging of glucose-induced nitric oxide production in $\beta$ -cells. Pflugers Archiv European Journal of Physiology, 2003, 447, 305-311.	1.3	26
15	Diacylglycerol Signaling Pathway in Pancreatic $\beta$ -Cells: An Essential Role of Diacylglycerol Kinase in the Regulation of Insulin Secretion. Biological and Pharmaceutical Bulletin, 2015, 38, 669-673.	0.6	25
16	TRPV2 channels mediate insulin secretion induced by cell swelling in mouse pancreatic $\beta$ -cells. American Journal of Physiology - Cell Physiology, 2019, 316, C434-C443.	2.1	23
17	cGMP-independent anti-apoptotic effect of nitric oxide on thapsigargin-induced apoptosis in the pancreatic $\beta$ -cell line INS-1. Life Sciences, 2008, 83, 865-870.	2.0	21
18	Contribution of nitric oxide produced by inducible nitric oxide synthase to vascular responses of mesenteric arterioles in streptozotocin-diabetic rats. British Journal of Pharmacology, 2004, 141, 269-276.	2.7	20

#	ARTICLE	IF	CITATIONS
19	Nitric oxide-cyclic GMP system potentiates glucose-induced rise in cytosolic Ca <sup>2+</sup> concentration in rat pancreatic $\hat{I}^2$ -cells. <i>Life Sciences</i> , 1999, 65, 1515-1522.	2.0	19
20	Two Distinct Effects of cGMP on Cytosolic Ca <sup>2+</sup> Concentration of Rat Pancreatic $\hat{I}^2$ -Cells. <i>Journal of Pharmacological Sciences</i> , 2003, 91, 41-46.	1.1	19
21	Dual effect of nitric oxide on ATP-sensitive K <sup>+</sup> channels in rat pancreatic $\hat{I}^2$ cells. <i>Pflugers Archiv European Journal of Physiology</i> , 2008, 456, 573-579.	1.3	19
22	Involvement of stretch-activated cation channels in hypotonically induced insulin secretion in rat pancreatic $\hat{I}^2$ -cells. <i>American Journal of Physiology - Cell Physiology</i> , 2006, 291, C1405-C1411.	2.1	16
23	Caffeine Suppresses the Activation of Hepatic Stellate Cells cAMP-Independently by Antagonizing Adenosine Receptors. <i>Biological and Pharmaceutical Bulletin</i> , 2017, 40, 658-664.	0.6	16
24	Structure-Dependent Inhibitory Effects of Green Tea Catechins on Insulin Secretion from Pancreatic $\hat{I}^2$ -Cells. <i>Biological and Pharmaceutical Bulletin</i> , 2015, 38, 476-481.	0.6	15
25	Calcitonin gene-related peptide (CGRP) induces more potent vasorelaxation in the resistance portion than in the conduit portion of mesenteric arteries in humans. <i>Peptides</i> , 1996, 17, 877-879.	1.2	14
26	Characterization of whole-cell currents elicited by mechanical stimulation of <i>Xenopus</i> oocytes. <i>Pflugers Archiv European Journal of Physiology</i> , 2000, 440, 858-865.	1.3	14
27	Role of Na <sup>+</sup> /Ca <sup>2+</sup> Exchanger-Mediated Ca <sup>2+</sup> Entry in Pressure-Induced Myogenic Constriction in Rat Posterior Cerebral Arteries. <i>Journal of Pharmacological Sciences</i> , 2009, 110, 218-222.	1.1	13
28	Inositol 1,4,5-Trisphosphate Receptor-Mediated Initial Ca <sup>2+</sup> Mobilization Constitutes a Triggering Signal for Hydrogen Peroxide-Induced Apoptosis in INS-1 .BETA.-Cells. <i>Biological and Pharmaceutical Bulletin</i> , 2011, 34, 954-958.	0.6	13
29	Calcitonin ameliorates enhanced arterial contractility after chronic constriction injury of the sciatic nerve in rats. <i>Fundamental and Clinical Pharmacology</i> , 2012, 26, 315-321.	1.0	13
30	Insulinotropic and anti-apoptotic effects of nobiletin in INS-1D $\hat{I}^2$ -cells. <i>Journal of Functional Foods</i> , 2017, 30, 8-15.	1.6	13
31	Facilitation of L-type Ca <sup>2+</sup> Currents by Fluid Flow in Rabbit Cerebral Artery Myocytes. <i>Journal of Pharmacological Sciences</i> , 2005, 98, 425-429.	1.1	12
32	Ionic mechanism for contractile response to hyposmotic challenge in canine basilar arteries. <i>American Journal of Physiology - Cell Physiology</i> , 2005, 288, C702-C709.	2.1	12
33	G-protein coupled estrogen receptor-mediated non-genomic facilitatory effect of estrogen on cooling-induced reduction of skin blood flow in mice. <i>European Journal of Pharmacology</i> , 2017, 797, 26-31.	1.7	12
34	Local neurogenic regulation of rat hindlimb circulation: CO <sub>2</sub> -induced release of calcitonin gene-related peptide from sensory nerves. <i>British Journal of Pharmacology</i> , 1997, 122, 710-714.	2.7	11
35	Involvement of novel protein kinase C isoforms in carbachol-stimulated insulin secretion from rat pancreatic islets. <i>Life Sciences</i> , 2005, 77, 462-469.	2.0	11
36	The sialidase inhibitor 2,3-dehydro-2-deoxy-N-acetylneuraminic acid is a glucose-dependent potentiator of insulin secretion. <i>Scientific Reports</i> , 2020, 10, 5198.	1.6	11

#	ARTICLE	IF	CITATIONS
37	Distinct Roles of Protein Kinase C Isoforms in Myogenic Constriction of Rat Posterior Cerebral Arteries. <i>Journal of Pharmacological Sciences</i> , 2008, 108, 446-454.	1.1	10
38	Concise synthesis of polymethoxyflavone sudachitin and its derivatives, and biological evaluations. <i>Tetrahedron Letters</i> , 2018, 59, 1816-1818.	0.7	10
39	Pressor response to endothelin in guinea pigs.. <i>The Japanese Journal of Pharmacology</i> , 1989, 49, 549-552.	1.2	9
40	Enhanced Depressor and Hyperemic Responses to Calcitonin Gene-related Peptide in Spontaneously Hypertensive Rats. <i>Peptides</i> , 1998, 19, 697-701.	1.2	8
41	Effects of piperine on calcitonin gene-related peptide (CGRP)-containing nerves in the isolated rat atria. <i>Neuroscience Letters</i> , 1988, 91, 222-227.	1.0	7
42	Enhanced vasoconstriction to $\alpha_1$ -adrenoceptor stimulation during cooling in mouse cutaneous plantar arteries. <i>European Journal of Pharmacology</i> , 2014, 742, 1-7.	1.7	7
43	Obligatory Role of Early $Ca^{2+}$ Responses in $H_2O_2$ -Induced $\beta$ -Cell Apoptosis. <i>Biological and Pharmaceutical Bulletin</i> , 2015, 38, 1599-1605.	0.6	7
44	Involvement of nitric oxide production in the impairment of skin blood flow response to local cooling in diabetic db/db mice. <i>European Journal of Pharmacology</i> , 2013, 720, 174-179.	1.7	6
45	IgM response is a prognostic biomarker of primary biliary cholangitis treated with ursodeoxycholic acid and bezafibrate. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 2020, 35, 663-672.	1.4	6
46	(+)-(3H)Isradipine and (3H)Glyburide Bindings to Heart and Lung Membranes From Rats With Monocrotaline-Induced Pulmonary Hypertension.. <i>The Japanese Journal of Pharmacology</i> , 1999, 81, 176-184.	1.2	5
47	Inhibition by nitric oxide of $Ca^{2+}$ responses in rat pancreatic $\beta$ -cells. <i>Life Sciences</i> , 2002, 71, 81-89.	2.0	5
48	$\alpha_1A$ -Adrenoceptors, but not $\alpha_1B$ - or $\alpha_1D$ -adrenoceptors, contribute to enhanced contractile response to phenylephrine in cooling conditions in the rat tail artery. <i>European Journal of Pharmacology</i> , 2018, 838, 120-128.	1.7	5
49	Dual effect of reduced type I diacylglycerol kinase activity on insulin secretion from MIN6 $\beta$ -cells. <i>Journal of Pharmacological Sciences</i> , 2019, 140, 178-186.	1.1	5
50	Rhythmical contractions in pulmonary arteries of monocrotaline-induced pulmonary hypertensive rats. <i>Pflugers Archiv European Journal of Physiology</i> , 2003, 447, 142-149.	1.3	4
51	Differential Contribution of Nerve-Derived Noradrenaline to High $K^+$ -Induced Contraction Depending on Type of Artery. <i>Biological and Pharmaceutical Bulletin</i> , 2017, 40, 56-60.	0.6	4
52	Differentiation-inducing factor-1 prevents hepatic stellate cell activation through inhibiting GSK3 $\beta$ inactivation. <i>Biochemical and Biophysical Research Communications</i> , 2019, 520, 140-144.	1.0	4
53	Renoprotective Effects of a Novel Receptor-Interacting Protein Kinase 2 Inhibitor, AS3334034, in Uninephrectomized Adriamycin-Induced Chronic Kidney Disease Rats. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2020, 374, 428-437.	1.3	4
54	Diacylglycerol kinase $\beta$ functions as a proliferation suppressor in pancreatic $\beta$ -cells. <i>FASEB Journal</i> , 2021, 35, e21420.	0.2	4

#	ARTICLE	IF	CITATIONS
55	Biphasic response of cutaneous blood flow induced by passive cutaneous anaphylaxis in rats. <i>European Journal of Pharmacology</i> , 2003, 482, 305-311.	1.7	3
56	Differential contribution of calcium channels to $\alpha_1$ -adrenoceptor-mediated contraction is responsible for diverse responses to cooling between rat tail and iliac arteries. <i>European Journal of Pharmacology</i> , 2018, 826, 9-16.	1.7	3
57	IRR is involved in glucose-induced endocytosis after insulin secretion. <i>Journal of Pharmacological Sciences</i> , 2019, 140, 300-304.	1.1	3
58	Alleviation of mechanical stress-induced allodynia by improving blood flow in chronic constriction injury mice. <i>European Journal of Pharmacology</i> , 2019, 849, 67-74.	1.7	3
59	Quantitative real-time measurement of endothelin-1-induced contraction in single non-activated hepatic stellate cells. <i>PLoS ONE</i> , 2021, 16, e0255656.	1.1	3
60	Caffeine-induced inversion of prostaglandin E2 effects on hepatic stellate cell activation. <i>Biomedicine and Pharmacotherapy</i> , 2021, 142, 111989.	2.5	3
61	Harmine suppresses collagen production in hepatic stellate cells by inhibiting DYRK1B. <i>Biochemical and Biophysical Research Communications</i> , 2022, 600, 136-141.	1.0	3
62	Mechanism of Membrane Depolarization Involved in $\alpha_1$ -Adrenoceptor-Mediated Contraction in Rat Tail and Iliac Arteries. <i>Biological and Pharmaceutical Bulletin</i> , 2019, 42, 1741-1745.	0.6	2
63	Differential involvement of $\alpha_1$ -adrenoceptors in vasoconstrictor responses to cooling in mouse plantar arteries in vitro and in vivo. <i>Journal of Smooth Muscle Research</i> , 2009, 45, 87-95.	0.7	2
64	Differential augmentation of tyrosine phosphorylation by mechanical stretch in smooth muscle and endothelial cells of rabbit pulmonary arteries. <i>The Japanese Journal of Pharmacology</i> , 1999, 79, 85.	1.2	1
65	GDP-Bound Rab27a Dissociates from the Endocytic Machinery in a Phosphorylation-Dependent Manner after Insulin Secretion. <i>Biological and Pharmaceutical Bulletin</i> , 2019, 42, 1532-1537.	0.6	1
66	Na <sup>+</sup> -dependent inactivation of vascular Na <sup>+</sup> /Ca <sup>2+</sup> exchanger responsible for reduced peripheral blood flow in neuropathic pain model. <i>European Journal of Pharmacology</i> , 2021, 910, 174448.	1.7	1
67	Increased sensitivity to endothelin in aorta from spontaneously hypertensive rats. <i>The Japanese Journal of Pharmacology</i> , 1989, 49, 294.	1.2	0
68	Secretion of endothelin-1 (ET-1) into the perfusate of rat mesenteric artery. <i>The Japanese Journal of Pharmacology</i> , 1990, 52, 79.	1.2	0
69	Increased sensitivity to endothelin-1 in aorta from hypertensive rats. <i>The Japanese Journal of Pharmacology</i> , 1990, 52, 347.	1.2	0
70	Variation of plasma concentrations of endothelin-1 on shock states in the rat. <i>The Japanese Journal of Pharmacology</i> , 1990, 52, 376.	1.2	0
71	Specific inhibition of osmotic swelling-induced increase of L-type calcium channel current by herbimycin A in canine basilar artery. <i>The Japanese Journal of Pharmacology</i> , 1999, 79, 39.	1.2	0
72	Non-contribution of renin-angiotensin system to pressor response to NG-nitro-L-arginine in dogs. <i>Fundamental and Clinical Pharmacology</i> , 2002, 16, 15-21.	1.0	0

#	ARTICLE	IF	CITATIONS
73	Foreword. Biological and Pharmaceutical Bulletin, 2015, 38, 655-655.	0.6	0
74	Akt1 is a key molecule for caffeine-induced inhibition of hepatic stellate cell activation. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2018, WCP2018, OR17-5.	0.0	0
75	Modulation of DDAH/ADMA/NOS pathway in pancreatic $\beta$ -cells under diabetic condition. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2018, WCP2018, PO2-7-15.	0.0	0
76	Endotheline-1 induces contraction in quiescent hepatic stellate cells mediated by myosin light chain kinase and Rho kinase. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2018, WCP2018, PO4-2-25.	0.0	0