

# Yasutake Shimizu

## List of Publications by Year in descending order

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99  
papers

2,427  
citations

201674

27  
h-index

223800

46  
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99  
docs citations

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times ranked

2291  
citing authors

#	ARTICLE	IF	CITATIONS
1	Contribution of sex hormones to the sexually dimorphic response of colorectal motility to noxious stimuli in rats. <i>American Journal of Physiology - Renal Physiology</i> , 2022, 323, G1-G8.	3.4	4
2	&lt;i>Suncus murinus&/i> as a novel model animal that is suitable for elucidating the mechanism of daily torpor. <i>Biomedical Research</i> , 2022, 43, 53-57.	0.9	0
3	Intrathecally administered substance P activated the spinal defecation center and enhanced colorectal motility in anesthetized rats. <i>American Journal of Physiology - Renal Physiology</i> , 2022, , .	3.4	1
4	Sexually dimorphic response of colorectal motility to noxious stimuli in the colorectum in rats. <i>Journal of Physiology</i> , 2021, 599, 1421-1437.	2.9	13
5	Î±-MSH-induced activation of spinal MC1R but not MC4R enhances colorectal motility in anaesthetised rats. <i>Scientific Reports</i> , 2021, 11, 487.	3.3	1
6	Successful induction of deep hypothermia by isoflurane anesthesia and cooling in a non-hibernator, the rat. <i>Journal of Physiological Sciences</i> , 2021, 71, 10.	2.1	7
7	Expression of the G protein-coupled receptor (GPR) 37 and GPR37L1 in the mouse digestive system. <i>Journal of Veterinary Medical Science</i> , 2021, 83, 1-8.	0.9	5
8	Temperature-Dependent Alternative Splicing of Precursor mRNAs and Its Biological Significance: A Review Focused on Post-Transcriptional Regulation of a Cold Shock Protein Gene in Hibernating Mammals. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7599.	4.1	10
9	ATP-dependent potassium channels contribute to motor regulation of esophageal striated muscle in rats. <i>Journal of Veterinary Medical Science</i> , 2019, 81, 1266-1272.	0.9	2
10	Mild hypothermia causes a shift in the alternative splicing of cold-inducible RNA-binding protein transcripts in Syrian hamsters. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2019, 317, R240-R247.	1.8	7
11	Characterization of peristaltic motility in the striated muscle portion of the esophagus using a novel in vivo method in rats. <i>Neurogastroenterology and Motility</i> , 2019, 31, e13518.	3.0	1
12	Hypothermia induces changes in the alternative splicing pattern of cold-inducible RNA-binding protein transcripts in a non-hibernator, the mouse. <i>Biomedical Research</i> , 2019, 40, 153-161.	0.9	8
13	Roles of the noradrenergic nucleus locus coeruleus and dopaminergic nucleus A11 region as supraspinal defecation centers in rats. <i>American Journal of Physiology - Renal Physiology</i> , 2019, 317, C545-C555.	3.4	11
14	Colokinetic effect of somatostatin in the spinal defecation center in rats. <i>Journal of Physiological Sciences</i> , 2018, 68, 243-251.	2.1	9
15	Induction of hibernation-like hypothermia by central activation of the A1 adenosine receptor in a non-hibernator, the rat. <i>Journal of Physiological Sciences</i> , 2018, 68, 425-430.	2.1	10
16	Histamine-enhanced contractile responses of gastric smooth muscle via interstitial cells of Cajal in the Syrian hamster. <i>Neurogastroenterology and Motility</i> , 2018, 30, e13255.	3.0	4
17	Medullary raphe nuclei activate the lumbosacral defecation center through the descending serotonergic pathway to regulate colorectal motility in rats. <i>American Journal of Physiology - Renal Physiology</i> , 2018, 314, C341-C348.	3.4	15
18	Exogenous serotonin regulates colorectal motility via the 5-HT <sub>2</sub> and 5-HT <sub>3</sub> receptors in the spinal cord of rats. <i>Neurogastroenterology and Motility</i> , 2018, 30, e13183.	3.0	16

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19	The Mechanism Enabling Hibernation in Mammals. <i>Advances in Experimental Medicine and Biology</i> , 2018, 1081, 45-60.	1.6	11
20	Local regulatory mechanism to coordinate colorectal motility in rats. <i>Physiological Reports</i> , 2018, 6, e13710.	1.7	1
21	Descending monoaminergic pathways projecting to the spinal defecation center enhance colorectal motility in rats. <i>American Journal of Physiology - Renal Physiology</i> , 2018, 315, G631-G637.	3.4	15
22	NeuN immunoreactivity in the brain of <i>Xenopus laevis</i> . <i>Tissue and Cell</i> , 2017, 49, 514-519.	2.2	3
23	Serotonin-induced contractile responses of esophageal smooth muscle in the house musk shrew ( <i>Suncus murinus</i> ). <i>Neurogastroenterology and Motility</i> , 2016, 28, 1641-1648.	3.0	7
24	Does the capsaicin-sensitive local neural circuit constitutively regulate vagally evoked esophageal striated muscle contraction in rats?. <i>Journal of Physiological Sciences</i> , 2016, 66, 105-111.	2.1	1
25	Stimulation of dopamine D2-like receptors in the lumbosacral defaecation centre causes propulsive colorectal contractions in rats. <i>Journal of Physiology</i> , 2016, 594, 4339-4350.	2.9	26
26	Inhibitory action of hydrogen sulfide on esophageal striated muscle motility in rats. <i>European Journal of Pharmacology</i> , 2016, 771, 123-129.	3.5	3
27	Colokinetic effect of noradrenaline in the spinal defecation center: implication for motility disorders. <i>Scientific Reports</i> , 2015, 5, 12623.	3.3	23
28	Actions of Probiotics on Trinitrobenzenesulfonic Acid-Induced Colitis in Rats. <i>BioMed Research International</i> , 2015, 2015, 1-8.	1.9	5
29	Characterization of ghrelin-sensitive neurons in the lumbosacral defecation center in rats. <i>Neurogastroenterology and Motility</i> , 2015, 27, 147-155.	3.0	15
30	Hibernation-specific alternative splicing of the mRNA encoding cold-inducible RNA-binding protein in the hearts of hamsters. <i>Biochemical and Biophysical Research Communications</i> , 2015, 462, 322-325.	2.1	31
31	Regulation of longitudinal esophageal motility in the house musk shrew ( <i>Suncus murinus</i> ). <i>Autonomic Neuroscience: Basic and Clinical</i> , 2015, 189, 37-42.	2.8	1
32	Functional roles of capsaicin-sensitive intrinsic neural circuit in the regulation of esophageal peristalsis in rats: in vivo studies using a novel method. <i>American Journal of Physiology - Renal Physiology</i> , 2014, 306, G811-G818.	3.4	13
33	Alteration of neuromuscular transmissions in the hamster colon following the resolution of TNBS-induced colitis. <i>Journal of Physiological Sciences</i> , 2013, 63, 241-249.	2.1	4
34	Inhibitory actions of a local neural reflex on propulsive activity of the esophageal striated muscle portion in rats. <i>Research in Veterinary Science</i> , 2013, 94, 331-335.	1.9	2
35	Development of longitudinal smooth muscle in the posterior mesenteric artery and purinergic regulation of its contractile responses in chickens. <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 2013, 199, 857-865.	1.6	0
36	Postnatal changes in vagal control of esophageal muscle contractions in rats. <i>Life Sciences</i> , 2012, 90, 495-501.	4.3	1

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37	Neural regulation of esophageal striated muscle in the house musk shrew ( <i>Suncus murinus</i> ). <i>Autonomic Neuroscience: Basic and Clinical</i> , 2012, 168, 25-31.	2.8	10
38	Extract of grains of paradise and its active principle 6-paradol trigger thermogenesis of brown adipose tissue in rats. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2011, 161, 63-67.	2.8	24
39	Postnatal development of excitatory innervations in longitudinal smooth muscle of the chicken anterior mesenteric artery. <i>Life Sciences</i> , 2011, 88, 400-405.	4.3	2
40	Intraluminal administration of zingerol, a non-pungent analogue of zingerone, inhibits colonic motility in rats. <i>Biomedical Research</i> , 2011, 32, 181-185.	0.9	11
41	Inhibitory effects of zingerone, a pungent component of <i>Zingiber officinale</i> Roscoe, on colonic motility in rats. <i>Journal of Natural Medicines</i> , 2011, 65, 89-94.	2.3	37
42	Contractile responses induced by physalaemin, an analogue of substance P, in the rat esophagus. <i>European Journal of Pharmacology</i> , 2010, 628, 202-206.	3.5	3
43	Contrasting effects of ghrelin and des-acyl ghrelin on the lumbo-sacral defecation center and regulation of colorectal motility in rats. <i>Neurogastroenterology and Motility</i> , 2010, 22, 1124-1131.	3.0	41
44	Contractile Properties of Esophageal Striated Muscle: Comparison with Cardiac and Skeletal Muscles in Rats. <i>Journal of Biomedicine and Biotechnology</i> , 2010, 2010, 1-7.	3.0	6
45	The neural regulation of the mammalian esophageal motility and its implication for esophageal diseases. <i>Pathophysiology</i> , 2010, 17, 129-133.	2.2	5
46	Capsaicin inhibits IFN- $\beta$ -induced MHC class II expression by suppressing transcription of class II transactivator gene in murine peritoneal macrophages. <i>International Immunopharmacology</i> , 2010, 10, 86-90.	3.8	6
47	Functional and in situ hybridization evidence that preganglionic sympathetic vasoconstrictor neurons express ghrelin receptors. <i>Neuroscience</i> , 2010, 166, 671-679.	2.3	42
48	Extract from <i>Calotropis procera</i> latex activates murine macrophages. <i>Journal of Natural Medicines</i> , 2009, 63, 297-303.	2.3	13
49	Oral administration of a centrally acting ghrelin receptor agonist to conscious rats triggers defecation. <i>Neurogastroenterology and Motility</i> , 2009, 21, 71-77.	3.0	38
50	Galanin modulates vagally induced contractions in the mouse oesophagus. <i>Neurogastroenterology and Motility</i> , 2009, 21, 180-188.	3.0	22
51	P2X purinoceptors mediate an endothelium-dependent hyperpolarization in longitudinal smooth muscle of anterior mesenteric artery in young chickens. <i>British Journal of Pharmacology</i> , 2009, 158, 888-895.	5.4	5
52	Extension of Time until Cardiac Arrest after Injection of a Lethal Dose of Pentobarbital in the Hibernating Syrian Hamster. <i>Journal of Veterinary Medical Science</i> , 2009, 71, 383-385.	0.9	3
53	Tachykinins and their functions in the gastrointestinal tract. <i>Cellular and Molecular Life Sciences</i> , 2008, 65, 295-311.	5.4	115
54	Capsaicin pretreatment attenuates LPS-induced hypothermia through TRPV1-independent mechanisms in chicken. <i>Life Sciences</i> , 2008, 82, 1191-1195.	4.3	23

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55	Relationship between taste-induced physiological reflexes and temperature of sweet taste. <i>Physiology and Behavior</i> , 2008, 93, 1000-1004.	2.1	13
56	Central A1-receptor activation associated with onset of torpor protects the heart against low temperature in the Syrian hamster. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2008, 295, R991-R996.	1.8	21
57	Key Role of Mucosal Primary Afferents in Mediating the Inhibitory Influence of Capsaicin on Vagally Mediated Contractions in the Mouse Esophagus. <i>Journal of Veterinary Medical Science</i> , 2007, 69, 365-372.	0.9	8
58	Purinergic control of the quail rectum: Modulation of adenosine 5â€²-triphosphate-mediated contraction with acetylcholine. <i>Research in Veterinary Science</i> , 2007, 82, 246-251.	1.9	4
59	Effects of NMDA receptor antagonists on visceromotor reflexes and on intestinal motility, in vivo. <i>Neurogastroenterology and Motility</i> , 2007, 19, 617-624.	3.0	6
60	Involvement of a capsaicin-sensitive TRPV1-independent mechanism in lipopolysaccharide-induced fever in chickens. <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , 2007, 148, 578-583.	1.8	13
61	Involvement of TRPV1-dependent and -independent components in the regulation of vagally induced contractions in the mouse esophagus. <i>European Journal of Pharmacology</i> , 2007, 556, 157-165.	3.5	35
62	NANC inhibitory neuromuscular transmission in the hamster distal colon. <i>Pharmacological Research</i> , 2006, 54, 452-460.	7.1	15
63	Tachykinins are involved in local reflex modulation of vagally mediated striated muscle contractions in the rat esophagus via tachykinin NK1 receptors. <i>Neuroscience</i> , 2006, 139, 495-503.	2.3	26
64	Evidence that stimulation of ghrelin receptors in the spinal cord initiates propulsive activity in the colon of the rat. <i>Journal of Physiology</i> , 2006, 576, 329-338.	2.9	106
65	The distribution of intermediate-conductance, calcium-activated, potassium (IK) channels in epithelial cells. <i>Journal of Anatomy</i> , 2006, 208, 219-229.	1.5	52
66	A Comparative Histological Study on the Distribution of Striated and Smooth Muscles and Glands in the Esophagus of Wild Birds and Mammals. <i>Journal of Veterinary Medical Science</i> , 2005, 67, 115-117.	0.9	26
67	An electrophysiological study of excitatory purinergic neuromuscular transmission in longitudinal smooth muscle of chicken anterior mesenteric artery. <i>British Journal of Pharmacology</i> , 2005, 144, 830-839.	5.4	11
68	Neurally released ATP mediates endothelium-dependent hyperpolarization in the circular smooth muscle cells of chicken anterior mesenteric artery. <i>British Journal of Pharmacology</i> , 2005, 146, 983-989.	5.4	17
69	Macrophage-derived cytokine and nitric oxide profiles in type I and type II diabetes mellitus: effect of thymoquinone. <i>Acta Diabetologica</i> , 2005, 42, 23-30.	2.5	56
70	Successful abrogation by thymoquinone against induction of diabetes mellitus with streptozotocin via nitric oxide inhibitory mechanism. <i>International Immunopharmacology</i> , 2005, 5, 195-207.	3.8	64
71	Thymoquinone reduces hepatic glucose production in diabetic hamsters. <i>Research in Veterinary Science</i> , 2005, 79, 219-223.	1.9	71
72	A neurophysiological evidence of capsaicin-sensitive nerve components innervating interscapular brown adipose tissue. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2005, 119, 16-24.	2.8	6

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73	Mechanisms of the hypoglycaemic and immunopotentiating effects of <i>Nigella sativa</i> L. oil in streptozotocin-induced diabetic hamsters. <i>Research in Veterinary Science</i> , 2004, 77, 123-129.	1.9	116
74	Tachykinins mediate non-adrenergic, non-cholinergic excitatory neurotransmission to the hamster ileum via NK1 and NK2 receptors. <i>Life Sciences</i> , 2003, 73, 1939-1951.	4.3	14
75	Enhanced Responses of the Chorda Tympani Nerve to Sugars in the Ventromedial Hypothalamic Obese Rat. <i>Journal of Neurophysiology</i> , 2003, 90, 128-133.	1.8	17
76	Role of intrinsic nitrergic neurones on vagally mediated striated muscle contractions in the hamster oesophagus. <i>Journal of Physiology</i> , 2003, 551, 287-294.	2.9	44
77	Nitrergic Prejunctional Inhibition of Purinergic Neuromuscular Transmission in the Hamster Proximal Colon. <i>Journal of Neurophysiology</i> , 2003, 89, 2346-2353.	1.8	14
78	Thyroid Hormone Augments GLUT4 Expression and Insulin-Sensitive Glucose Transport System in Differentiating Rat Brown Adipocytes in Culture.. <i>Journal of Veterinary Medical Science</i> , 2002, 64, 677-681.	0.9	21
79	Insulinotropic properties of <i>Nigella sativa</i> oil in Streptozotocin plus Nicotinamide diabetic hamster. <i>Research in Veterinary Science</i> , 2002, 73, 279-282.	1.9	104
80	Thymoquinone suppresses expression of inducible nitric oxide synthase in rat macrophages. <i>International Immunopharmacology</i> , 2002, 2, 1603-1611.	3.8	137
81	Autonomic Control of Circulation in Hibernating Mammals $\frac{1}{4}$ Sympathetic Perivascular Nerve and Endothelium $\frac{1}{4}$ . <i>Japanese Journal of Zoo and Wildlife Medicine</i> , 2002, 7, 61-68.	0.2	0
82	Effects of acids on neural activity elicited by other taste stimuli in the rat chorda tympani. <i>Brain Research</i> , 2000, 859, 369-372.	2.2	5
83	Possible Involvement of Undissociated Acid Molecules in the Acid Response of the Chorda Tympani Nerve of the Rat. <i>Journal of Neurophysiology</i> , 2000, 83, 2776-2779.	1.8	28
84	Sensitivity of the olfactory sense declines with the aging in senescence-accelerated mouse (SAM-P1). <i>Physiology and Behavior</i> , 2000, 70, 135-139.	2.1	35
85	Role of hydrophobic amino acids in gurmarin, a sweetness-suppressing polypeptide. <i>Biopolymers</i> , 1998, 45, 231-238.	2.4	8
86	Synthesis, characterization, and sweetness-suppressing activities of gurmarin analogues missing one disulfide bond. <i>Biopolymers</i> , 1998, 46, 65-73.	2.4	5
87	Expression of $\beta$ -Adrenoceptor and Stimulation of Glucose Transport by $\beta$ -Agonists in Brown Adipocyte Primary Culture. <i>Journal of Biochemistry</i> , 1996, 119, 120-125.	1.7	23
88	Endotoxin-induced enhancement of glucose influx into murine peritoneal macrophages via GLUT1. <i>Infection and Immunity</i> , 1996, 64, 108-112.	2.2	172
89	Chronic Administration of $\beta$ -Adrenergic Agonists Can Mimic the Stimulative Effect of Cold Exposure on Protein Synthesis in Rat Brown Adipose Tissue. <i>Journal of Biochemistry</i> , 1995, 117, 96-100.	1.7	39
90	Dexamethasone Induces the GLUT4 Glucose Transporter, and Responses of Glucose Transport to Norepinephrine and Insulin in Primary Cultures of Brown Adipocytes1. <i>Journal of Biochemistry</i> , 1994, 115, 1069-1074.	1.7	29

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91	Effects of Wortmannin on Increased Glucose Transport by Insulin and Norepinephrine in Primary Culture of Brown Adipocytes. <i>Biochemical and Biophysical Research Communications</i> , 1994, 202, 660-665.	2.1	48
92	Decreased Glucose Transporter (GLUT 4) Content in Insulin-Sensitive Tissues of Obese Aurothioglucose- and Monosodium Glutamate-Treated Mice. <i>Hormone and Metabolic Research</i> , 1993, 25, 462-465.	1.5	46
93	Cold exposure increases glucose utilization and glucose transporter expression in brown adipose tissue. <i>Biochemical and Biophysical Research Communications</i> , 1992, 185, 1078-1082.	2.1	43
94	Inclusion bodies in cerebral cortical astrocytes: a new change of astrocytes. <i>Acta Neuropathologica</i> , 1992, 84, 113-116.	7.7	23
95	Possible role of the sympathetic nervous system in responses to interleukin-1. <i>Brain Research Bulletin</i> , 1991, 27, 305-308.	3.0	27
96	Sympathetic Activation of Glucose Utilization in Brown Adipose Tissue in Rats <sup>1</sup> . <i>Journal of Biochemistry</i> , 1991, 110, 688-692.	1.7	71
97	Interleukin-1 increases norepinephrine turnover in the spleen and lung in rats. <i>Biochemical and Biophysical Research Communications</i> , 1990, 173, 1266-1270.	2.1	46
98	Treatment resistant chronic psychopathology and CT scans in schizophrenia. <i>Acta Psychiatrica Scandinavica</i> , 1987, 75, 415-427.	4.5	30
99	Synthesis of bostrycoidin via directed lithiation of tertiary nicotinamide. <i>Tetrahedron</i> , 1987, 43, 5281-5286.	1.9	40