

Takahiro Shimizu

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

94 papers	859 citations	16 h-index	23 g-index
102 ext. papers	1,054 ext. citations	4.5 avg, IF	4.08 L-index

#	Paper	IF	Citations
94	Right ventricular overloading is attenuated in monocrotaline-induced pulmonary hypertension model rats with a disrupted Gpr143 gene, the gene that encodes the 3,4-l-dihydroxyphenylalanine (l-DOPA) receptor.. <i>Journal of Pharmacological Sciences</i> , 2022 , 148, 214-220	3.7	2
93	Drug therapy targeting angiotensin II type 1 receptors in the brain against frequent urination. <i>Proceedings for Annual Meeting of the Japanese Pharmacological Society</i> , 2022 , 95, 1-S06-1	0	
92	Effects of losartan on bladder dysfunction due to aging-related severe hypertension in rats.. <i>European Journal of Pharmacology</i> , 2022 , 922, 174911	5.3	0
91	Stimulation of brain corticotropin-releasing factor receptor type1 facilitates the rat micturition via brain glutamatergic receptors.. <i>Biochemical and Biophysical Research Communications</i> , 2022 , 607, 54-59	3.4	
90	Stimulation of brain $\alpha 7$ -nicotinic acetylcholine receptors suppresses the rat micturition through brain GABAergic receptors. <i>Biochemical and Biophysical Research Communications</i> , 2021 , 548, 84-90	3.4	3
89	The role of diurnal fluctuations in excitatory amino acid carrier 1 levels in post-ischemic hippocampal Zn accumulation. <i>Experimental Neurology</i> , 2021 , 336, 113538	5.7	3
88	Age-related differences in responses to hydrogen sulfide in the bladder of spontaneously hypertensive rats. <i>International Journal of Urology</i> , 2021 , 28, 459-465	2.3	1
87	Losartan, angiotensin II type 1 receptor blocker improves prostatic hyperplasia in spontaneously hypertensive rats. <i>Proceedings for Annual Meeting of the Japanese Pharmacological Society</i> , 2021 , 94, 2-P2-12	0	
86	Therapeutic effects of losartan on prostatic hyperplasia in spontaneously hypertensive rats. <i>Life Sciences</i> , 2021 , 266, 118924	6.8	2
85	Difficulty in prenatal diagnosis of the volvulus of the small intestine: A peculiar clinical course of two cases with massive bowel dilatation and loss of peristalsis. <i>Journal of Obstetrics and Gynaecology Research</i> , 2021 , 47, 1903-1908	1.9	
84	Protective Role of Glutathione in the Hippocampus after Brain Ischemia. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	6
83	Psychological/mental stress-induced effects on urinary function: Possible brain molecules related to psychological/mental stress-induced effects on urinary function. <i>International Journal of Urology</i> , 2021 , 28, 1093-1104	2.3	2
82	Aging-related severe hypertension induces detrusor underactivity in rats. <i>Life Sciences</i> , 2021 , 283, 119855-8	5.8	3
81	Zinc-aggravated M1 microglia regulate astrocytic engulfment via P2 \times receptors. <i>Journal of Trace Elements in Medicine and Biology</i> , 2020 , 61, 126518	4.1	2
80	Differential effects of thyrotropin releasing hormone (TRH) on motor execution and motor adaptation process in patients with spinocerebellar degeneration. <i>Journal of the Neurological Sciences</i> , 2020 , 415, 116927	3.2	2
79	Brain nitric oxide induces facilitation of the micturition reflex through brain glutamatergic receptors in rats. <i>Neurourology and Urodynamics</i> , 2020 , 39, 1687-1699	2.3	2
78	Stimulation of brain cannabinoid CB receptors can ameliorate hypertension in spontaneously hypertensive rats. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2020 , 47, 1254-1262	3	0

77	Protective effects of tadalafil on prostatic hyperplasia in spontaneously hypertensive rats. <i>European Journal of Pharmacology</i> , 2020 , 882, 173313	5.3	3
76	Effects of silodosin and tadalafil on bladder dysfunction in spontaneously hypertensive rats: Possible role of bladder blood flow. <i>International Journal of Urology</i> , 2020 , 27, 258-265	2.3	4
75	Effects of a selective androgen receptor modulator (SARM), GSK2849466A, on stress urinary incontinence and bladder activity in rats with ovariectomy-induced oestrogen deficiency. <i>BJU International</i> , 2020 , 125, 911-919	5.6	4
74	Brain hydrogen sulfide suppresses the micturition reflex via brain GABA receptors in rats. <i>Nitric Oxide - Biology and Chemistry</i> , 2020 , 104-105, 44-50	5	2
73	Role of p38 MAP kinase signaling pathways in storage and voiding dysfunction in mice with spinal cord injury. <i>Neurourology and Urodynamics</i> , 2020 , 39, 108-115	2.3	4
72	Plasticity induction in the pre-supplementary motor area (pre-SMA) and SMA-proper differentially affects visuomotor sequence learning. <i>Brain Stimulation</i> , 2020 , 13, 229-238	5.1	7
71	Therapeutic effects of inhibition of brain-derived neurotrophic factor on voiding dysfunction in mice with spinal cord injury. <i>American Journal of Physiology - Renal Physiology</i> , 2019 , 317, F1305-F1310	4.3	8
70	Central angiotensin II type 1 receptor as a therapeutic target against frequent urination. <i>Neurourology and Urodynamics</i> , 2019 , 38, 2112-2120	2.3	2
69	Hydrogen sulfide-induced relaxation of the bladder is attenuated in spontaneously hypertensive rats. <i>International Urology and Nephrology</i> , 2019 , 51, 1507-1515	2.3	3
68	Analysis of continence reflexes by dynamic urethral pressure recordings in a rat stress urinary incontinence model induced by multiple simulated birth traumas. <i>American Journal of Physiology - Renal Physiology</i> , 2019 , 317, F781-F788	4.3	1
67	Cell Volume-Activated and Volume-Correlated Anion Channels in Mammalian Cells: Their Biophysical, Molecular, and Pharmacological Properties. <i>Pharmacological Reviews</i> , 2019 , 71, 49-88	22.5	43
66	Effect of caffeine on long-term potentiation-like effects induced by quadripulse transcranial magnetic stimulation. <i>Experimental Brain Research</i> , 2019 , 237, 647-651	2.3	7
65	The effect of neutralization of nerve growth factor (NGF) on bladder and urethral dysfunction in mice with spinal cord injury. <i>Neurourology and Urodynamics</i> , 2018 , 37, 1889-1896	2.3	20
64	Nerve growth factor-dependent hyperexcitability of capsaicin-sensitive bladder afferent neurones in mice with spinal cord injury. <i>Experimental Physiology</i> , 2018 , 103, 896-904	2.4	8
63	Urodynamic effects of intravenous and intrathecal administration of E-series prostaglandin 1 receptor antagonist on detrusor overactivity in rats with spinal cord injury. <i>Neurourology and Urodynamics</i> , 2018 , 37, 132-137	2.3	4
62	Effects of nerve growth factor neutralization on TRP channel expression in laser-captured bladder afferent neurons in mice with spinal cord injury. <i>Neuroscience Letters</i> , 2018 , 683, 100-103	3.3	10
61	Stimulation of brain nicotinic acetylcholine receptors activates adrenomedullary outflow via brain inducible NO synthase-mediated S-nitrosylation. <i>British Journal of Pharmacology</i> , 2018 , 175, 3758-3772	8.6	2
60	Angiotensin II, a stress-related neuropeptide in the CNS, facilitates micturition reflex in rats. <i>British Journal of Pharmacology</i> , 2018 , 175, 3727-3737	8.6	8

59	Possible role of hydrogen sulfide as an endogenous relaxation factor in the rat bladder and prostate. <i>Neurourology and Urodynamics</i> , 2018 , 37, 2519-2526	2.3	9
58	Pharmacological studies on the central regulation mechanisms for stress response. <i>Proceedings for Annual Meeting of the Japanese Pharmacological Society</i> , 2018 , WCP2018, AL2-3	0	
57	Marine-derived compound-A suppresses zinc-enhanced pro-inflammatory M1 phenotype of microglia via inhibition of ROS generation. <i>Proceedings for Annual Meeting of the Japanese Pharmacological Society</i> , 2018 , WCP2018, PO4-1-92	0	
56	Stimulation of brain nicotinic acetylcholine receptors induces activation of central adrenomedullary outflow through protein S-nitrosylation in the rat brain. <i>Proceedings for Annual Meeting of the Japanese Pharmacological Society</i> , 2018 , WCP2018, PO4-1-64	0	
55	Roles of brain nitric oxide in micturition of rats. <i>Proceedings for Annual Meeting of the Japanese Pharmacological Society</i> , 2018 , WCP2018, PO2-4-16	0	
54	Involvement of IL-4-induced intracellular zinc release in microglial M2 phenotype. <i>Proceedings for Annual Meeting of the Japanese Pharmacological Society</i> , 2018 , WCP2018, PO1-1-100	0	
53	Endogenous hydrogen sulfide can function as a relaxation factor in the bladder and prostate of male rats. <i>Proceedings for Annual Meeting of the Japanese Pharmacological Society</i> , 2018 , WCP2018, PO2-4-10	0	
52	Attenuation of zinc-enhanced inflammatory M1 phenotype of microglia by peridinin protects against short-term spatial-memory impairment following cerebral ischemia in mice. <i>Biochemical and Biophysical Research Communications</i> , 2018 , 507, 476-483	3.4	4
51	The inhibitory role of intracellular free zinc in the regulation of Arg-1 expression in interleukin-4-induced activation of M2 microglia. <i>Metallomics</i> , 2018 , 10, 1501-1509	4.5	12
50	Role of the serotonergic system in urethral continence reflexes during sneezing in rats. <i>American Journal of Physiology - Renal Physiology</i> , 2018 , 315, F79-F85	4.3	3
49	Influence of extracellular zinc on M1 microglial activation. <i>Scientific Reports</i> , 2017 , 7, 43778	4.9	28
48	Effects of liposome-based local suppression of nerve growth factor in the bladder on autonomic dysreflexia during urinary bladder distention in rats with spinal cord injury. <i>Experimental Neurology</i> , 2017 , 291, 44-50	5.7	5
47	The transcription factor HOXB7 regulates ERK kinase activity and thereby stimulates the motility and invasiveness of pancreatic cancer cells. <i>Journal of Biological Chemistry</i> , 2017 , 292, 17681-17702	5.4	15
46	Brain serotonergic nervous system is involved in bombesin-induced frequent urination through brain 5-HT receptors in rats. <i>British Journal of Pharmacology</i> , 2017 , 174, 3072-3080	8.6	9
45	The role of capsaicin-sensitive C-fiber afferent pathways in the control of micturition in spinal-intact and spinal cord-injured mice. <i>American Journal of Physiology - Renal Physiology</i> , 2017 , 313, F796-F804	4.3	23
44	Post-injury bladder management strategy influences lower urinary tract dysfunction in the mouse model of spinal cord injury. <i>Neurourology and Urodynamics</i> , 2017 , 36, 1301-1305	2.3	16
43	Combinational effects of muscarinic receptor inhibition and β -adrenoceptor stimulation on neurogenic bladder dysfunction in rats with spinal cord injury. <i>Neurourology and Urodynamics</i> , 2017 , 36, 1039-1045	2.3	26
42	Brain opioid and nociceptin receptors are involved in regulation of bombesin-induced activation of central sympatho-adrenomedullary outflow in the rat. <i>Molecular and Cellular Biochemistry</i> , 2016 , 411, 201-11	4.2	2

41	Angiotensin II centrally induces frequent detrusor contractility of the bladder by acting on brain angiotensin II type 1 receptors in rats. <i>Scientific Reports</i> , 2016 , 6, 22213	4.9	6
40	CCDC88A, a prognostic factor for human pancreatic cancers, promotes the motility and invasiveness of pancreatic cancer cells. <i>Journal of Experimental and Clinical Cancer Research</i> , 2016 , 35, 190	12.8	20
39	Vesicovascular reflexes in the spontaneously hypertensive rat. <i>Life Sciences</i> , 2016 , 144, 202-7	6.8	1
38	Characterization of bladder and external urethral activity in mice with or without spinal cord injury--a comparison study with rats. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2016 , 310, R752-8	3.2	44
37	Effect of naftopidil on brain noradrenaline-induced decrease in arginine-vasopressin secretion in rats. <i>Journal of Pharmacological Sciences</i> , 2016 , 132, 86-91	3.7	4
36	Protective effects of the selective alpha1A-adrenoceptor antagonist silodosin against cyclophosphamide-induced cystitis in rats. <i>Journal of Pharmacological Sciences</i> , 2016 , 132, 71-77	3.7	4
35	A Stress-Related Peptide Bombesin Centrally Induces Frequent Urination through Brain Bombesin Receptor Types 1 and 2 in the Rat. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2016 , 356, 693-701	4.7	14
34	Vav3 is linked to poor prognosis of pancreatic cancers and promotes the motility and invasiveness of pancreatic cancer cells. <i>Pancreatology</i> , 2016 , 16, 905-16	3.8	17
33	Testicular torsion-detorsion and potential therapeutic treatments: A possible role for ischemic postconditioning. <i>International Journal of Urology</i> , 2016 , 23, 454-63	2.3	46
32	Possible inhibitory role of endogenous 2-arachidonoylglycerol as an endocannabinoid in (□)-epibatidine-induced activation of central adrenomedullary outflow in the rat. <i>Neuropharmacology</i> , 2015 , 95, 278-89	5.5	3
31	Protective effect of hydroxyfasudil, a Rho kinase inhibitor, on ventral prostatic hyperplasia in the spontaneously hypertensive rat. <i>Prostate</i> , 2015 , 75, 1774-82	4.2	4
30	Effect of Silodosin, an Alpha1A-Adrenoceptor Antagonist, on Ventral Prostatic Hyperplasia in the Spontaneously Hypertensive Rat. <i>PLoS ONE</i> , 2015 , 10, e0133798	3.7	12
29	Lower urinary tract symptoms, benign prostatic hyperplasia/benign prostatic enlargement and erectile dysfunction: are these conditions related to vascular dysfunction?. <i>International Journal of Urology</i> , 2014 , 21, 856-64	2.3	22
28	Possible involvement of brain prostaglandin E2 and prostanoid EP3 receptors in prostaglandin E2 glycerol ester-induced activation of central sympathetic outflow in the rat. <i>Neuropharmacology</i> , 2014 , 82, 19-27	5.5	12
27	Central bombesin possibly induces S-nitrosylation of cyclooxygenase-1 in pre-sympathetic neurons of rat hypothalamic paraventricular nucleus. <i>Life Sciences</i> , 2014 , 100, 85-96	6.8	6
26	RUVBL1 directly binds actin filaments and induces formation of cell protrusions to promote pancreatic cancer cell invasion. <i>International Journal of Oncology</i> , 2014 , 44, 1945-54	4.4	19
25	Angiotensin II acting on brain AT1 receptors induces adrenaline secretion and pressor responses in the rat. <i>Scientific Reports</i> , 2014 , 4, 7248	4.9	15
24	Brain RVD-haemopressin, a haemoglobin-derived peptide, inhibits bombesin-induced central activation of adrenomedullary outflow in the rat. <i>British Journal of Pharmacology</i> , 2014 , 171, 202-13	8.6	17

23	Stimulatory and inhibitory roles of brain 2-arachidonoylglycerol in bombesin-induced central activation of adrenomedullary outflow in rats. <i>Journal of Pharmacological Sciences</i> , 2013 , 121, 157-71	3-7	5
22	Possible involvement of S-nitrosylation of brain cyclooxygenase-1 in bombesin-induced central activation of adrenomedullary outflow in rats. <i>European Journal of Pharmacology</i> , 2012 , 679, 40-50	5-3	7
21	Brain phospholipase C, diacylglycerol lipase and monoacylglycerol lipase are involved in (□)-epibatidine-induced activation of central adrenomedullary outflow in rats. <i>European Journal of Pharmacology</i> , 2012 , 691, 93-102	5-3	1
20	Centrally administered bombesin activates COX-containing spinally projecting neurons of the PVN in anesthetized rats. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2012 , 169, 63-9	2-4	5
19	Brain □4□ nicotinic acetylcholine receptors are involved in the secretion of noradrenaline and adrenaline from adrenal medulla in rats. <i>European Journal of Pharmacology</i> , 2011 , 654, 241-8	5-3	13
18	Endogenously generated 2-arachidonoylglycerol plays an inhibitory role in bombesin-induced activation of central adrenomedullary outflow in rats. <i>European Journal of Pharmacology</i> , 2011 , 658, 123-31	5-3	10
17	Possible inhibitory roles of endogenous 2-arachidonoylglycerol during corticotropin-releasing factor-induced activation of central sympatho-adrenomedullary outflow in anesthetized rats. <i>European Journal of Pharmacology</i> , 2010 , 641, 54-60	5-3	14
16	Brain cyclooxygenase and prostanoid TP receptors are involved in centrally administered epibatidine-induced secretion of noradrenaline and adrenaline from the adrenal medulla in rats. <i>European Journal of Pharmacology</i> , 2009 , 606, 77-83	5-3	6
15	Effects of centrally administered prostaglandin E(3) and thromboxane A(3) on plasma noradrenaline and adrenaline in rats: comparison with prostaglandin E(2) and thromboxane A(2). <i>European Journal of Pharmacology</i> , 2009 , 611, 30-4	5-3	6
14	Acute cold exposure-induced down-regulation of CIDEA, cell death-inducing DNA fragmentation factor-α-like effector A, in rat interscapular brown adipose tissue by sympathetically activated β3-adrenoreceptors. <i>Biochemical and Biophysical Research Communications</i> , 2009 , 387, 294-9	3-4	11
13	Role of brain prostanoids in glucagon-like peptide-1-induced central activation of sympatho-adrenomedullary outflow in rats. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2008 , 35, 965-70	3	6
12	Bidirectional roles of the brain 2-arachidonoyl-sn-glycerol in the centrally administered vasopressin-induced adrenomedullary outflow in rats. <i>European Journal of Pharmacology</i> , 2008 , 582, 62-9	5-3	13
11	Brain neuronal/inducible nitric oxide synthases and cyclooxygenase-1 are involved in the bombesin-induced activation of central adrenomedullary outflow in rats. <i>European Journal of Pharmacology</i> , 2008 , 590, 177-84	5-3	10
10	Centrally administered neuromedin U elevates plasma adrenaline by brain prostanoid TP receptor-mediated mechanisms in rats. <i>European Journal of Pharmacology</i> , 2008 , 592, 81-6	5-3	7
9	Adrenal adrenaline- and noradrenaline-containing cells and celiac sympathetic ganglia are differentially controlled by centrally administered corticotropin-releasing factor and arginine-vasopressin in rats. <i>European Journal of Pharmacology</i> , 2007 , 564, 94-102	5-3	27
8	Roles of brain phosphatidylinositol-specific phospholipase C and diacylglycerol lipase in centrally administered histamine-induced adrenomedullary outflow in rats. <i>European Journal of Pharmacology</i> , 2007 , 571, 138-44	5-3	8
7	Centrally administered histamine evokes the adrenal secretion of noradrenaline and adrenaline by brain cyclooxygenase-1- and thromboxane A2-mediated mechanisms in rats. <i>European Journal of Pharmacology</i> , 2006 , 541, 152-7	5-3	16
6	Brain prostanoid TP receptor-mediated adrenal noradrenaline secretion and EP3 receptor-mediated sympathetic noradrenaline release in rats. <i>European Journal of Pharmacology</i> , 2005 , 512, 29-35	5-3	26

5	Brain phospholipase C/diacylglycerol lipase are involved in bombesin BB2 receptor-mediated activation of sympatho-adrenomedullary outflow in rats. <i>European Journal of Pharmacology</i> , 2005 , 514, 151-8	5.3	12
4	Possible involvement of pyruvate kinase in acquisition of tolerance to hypoxic stress in glial cells. <i>Journal of Neurochemistry</i> , 2004 , 91, 167-75	6	19
3	Brain phospholipase C-diacylglycerol lipase pathway is involved in vasopressin-induced release of noradrenaline and adrenaline from adrenal medulla in rats. <i>European Journal of Pharmacology</i> , 2004 , 499, 99-105	5.3	30
2	Role of K ⁺ channels in M2 muscarinic receptor-mediated inhibition of noradrenaline release from the rat stomach. <i>Journal of Pharmacological Sciences</i> , 2004 , 96, 286-92	3.7	4
1	Brain phospholipase C and diacylglycerol lipase are involved in corticotropin-releasing hormone-induced sympatho-adrenomedullary outflow in rats. <i>European Journal of Pharmacology</i> , 2003 , 475, 49-54	5.3	13