# Takahiro Shimizu

## List of Publications by Citations



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| 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 | Testicular torsion-detorsion and potential therapeutic treatments: A possible role for ischemic postconditioning. *International Journal of Urology*, **2016**, 23, 454-63 | 2.3 | 46 |
| 93 | Characterization of bladder and external urethral activity in mice with or without spinal cord injury--a comparison study with rats. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2016**, 310, R752-8 | 3.2 | 44 |
| 92 | Cell Volume-Activated and Volume-Correlated Anion Channels in Mammalian Cells: Their Biophysical, Molecular, and Pharmacological Properties. *Pharmacological Reviews*, **2019**, 71, 49-88 | 22.5 | 43 |
| 91 | Brain phospholipase C-diacylglycerol lipase pathway is involved in vasopressin-induced release of noradrenaline and adrenaline from adrenal medulla in rats. *European Journal of Pharmacology*, **2004**, 499, 99-105 | 5.3 | 30 |
| 90 | Influence of extracellular zinc on M1 microglial activation. *Scientific Reports*, **2017**, 7, 43778 | 4.9 | 28 |
| 89 | Adrenal adrenaline- and noradrenaline-containing cells and celiac sympathetic ganglia are differentially controlled by centrally administered corticotropin-releasing factor and arginine-vasopressin in rats. *European Journal of Pharmacology*, **2007**, 564, 94-102 | 5.3 | 27 |
| 88 | Combinational effects of muscarinic receptor inhibition and β-adrenoceptor stimulation on neurogenic bladder dysfunction in rats with spinal cord injury. *Neurourology and Urodynamics*, **2017**, 36, 1039-1045 | 2.3 | 26 |
| 87 | Brain prostanoid TP receptor-mediated adrenal noradrenaline secretion and EP3 receptor-mediated sympathetic noradrenaline release in rats. *European Journal of Pharmacology*, **2005**, 512, 29-35 | 5.3 | 26 |
| 86 | The role of capsaicin-sensitive C-fiber afferent pathways in the control of micturition in spinal-intact and spinal cord-injured mice. *American Journal of Physiology - Renal Physiology*, **2017**, 313, F796-F804 | 4.3 | 23 |
| 85 | Lower urinary tract symptoms, benign prostatic hyperplasia/benign prostatic enlargement and erectile dysfunction: are these conditions related to vascular dysfunction?. *International Journal of Urology*, **2014**, 21, 856-64 | 2.3 | 22 |
| 84 | The effect of neutralization of nerve growth factor (NGF) on bladder and urethral dysfunction in mice with spinal cord injury. *Neurourology and Urodynamics*, **2018**, 37, 1889-1896 | 2.3 | 20 |
| 83 | CCDC88A, a prognostic factor for human pancreatic cancers, promotes the motility and invasiveness of pancreatic cancer cells. *Journal of Experimental and Clinical Cancer Research*, **2016**, 35, 190 | 12.8 | 20 |
| 82 | RUVBL1 directly binds actin filaments and induces formation of cell protrusions to promote pancreatic cancer cell invasion. *International Journal of Oncology*, **2014**, 44, 1945-54 | 4.4 | 19 |
| 81 | Possible involvement of pyruvate kinase in acquisition of tolerance to hypoxic stress in glial cells. *Journal of Neurochemistry*, **2004**, 91, 167-75 | 6 | 19 |
| 80 | Brain RVD-haemopressin, a haemoglobin-derived peptide, inhibits bombesin-induced central activation of adrenomedullary outflow in the rat. *British Journal of Pharmacology*, **2014**, 171, 202-13 | 8.6 | 17 |
| 79 | Vav3 is linked to poor prognosis of pancreatic cancers and promotes the motility and invasiveness of pancreatic cancer cells. *Pancreatology*, **2016**, 16, 905-16 | 3.8 | 17 |
| 78 | Post-injury bladder management strategy influences lower urinary tract dysfunction in the mouse model of spinal cord injury. *Neurourology and Urodynamics*, **2017**, 36, 1301-1305 | 2.3 | 16 |

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| 77 | Centrally administered histamine evokes the adrenal secretion of noradrenaline and adrenaline by brain cyclooxygenase-1- and thromboxane A2-mediated mechanisms in rats. *European Journal of Pharmacology*, **2006**, 541, 152-7 | 5.3 | 16 |
| 76 | The transcription factor HOXB7 regulates ERK kinase activity and thereby stimulates the motility and invasiveness of pancreatic cancer cells. *Journal of Biological Chemistry*, **2017**, 292, 17681-17702 | 5.4 | 15 |
| 75 | Angiotensin II acting on brain AT1 receptors induces adrenaline secretion and pressor responses in the rat. *Scientific Reports*, **2014**, 4, 7248 | 4.9 | 15 |
| 74 | Possible inhibitory roles of endogenous 2-arachidonoylglycerol during corticotropin-releasing factor-induced activation of central sympatho-adrenomedullary outflow in anesthetized rats. *European Journal of Pharmacology*, **2010**, 641, 54-60 | 5.3 | 14 |
| 73 | A Stress-Related Peptide Bombesin Centrally Induces Frequent Urination through Brain Bombesin Receptor Types 1 and 2 in the Rat. *Journal of Pharmacology and Experimental Therapeutics*, **2016**, 356, 693-701 | 4.7 | 14 |
| 72 | Brain □4□ nicotinic acetylcholine receptors are involved in the secretion of noradrenaline and adrenaline from adrenal medulla in rats. *European Journal of Pharmacology*, **2011**, 654, 241-8 | 5.3 | 13 |
| 71 | Bidirectional roles of the brain 2-arachidonoyl-sn-glycerol in the centrally administered vasopressin-induced adrenomedullary outflow in rats. *European Journal of Pharmacology*, **2008**, 582, 62-9 | 5.3 | 13 |
| 70 | Brain phospholipase C and diacylglycerol lipase are involved in corticotropin-releasing hormone-induced sympatho-adrenomedullary outflow in rats. *European Journal of Pharmacology*, **2003**, 475, 49-54 | 5.3 | 13 |
| 69 | Possible involvement of brain prostaglandin E2 and prostanoid EP3 receptors in prostaglandin E2 glycerol ester-induced activation of central sympathetic outflow in the rat. *Neuropharmacology*, **2014**, 82, 19-27 | 5.5 | 12 |
| 68 | Effect of Silodosin, an Alpha1A-Adrenoceptor Antagonist, on Ventral Prostatic Hyperplasia in the Spontaneously Hypertensive Rat. *PLoS ONE*, **2015**, 10, e0133798 | 3.7 | 12 |
| 67 | Brain phospholipase C/diacylglycerol lipase are involved in bombesin BB2 receptor-mediated activation of sympatho-adrenomedullary outflow in rats. *European Journal of Pharmacology*, **2005**, 514, 151-8 | 5.3 | 12 |
| 66 | The inhibitory role of intracellular free zinc in the regulation of Arg-1 expression in interleukin-4-induced activation of M2 microglia. *Metallomics*, **2018**, 10, 1501-1509 | 4.5 | 12 |
| 65 | Acute cold exposure-induced down-regulation of CIDEA, cell death-inducing DNA fragmentation factor-alpha-like effector A, in rat interscapular brown adipose tissue by sympathetically activated beta3-adrenoreceptors. *Biochemical and Biophysical Research Communications*, **2009**, 387, 294-9 | 3.4 | 11 |
| 64 | Effects of nerve growth factor neutralization on TRP channel expression in laser-captured bladder afferent neurons in mice with spinal cord injury. *Neuroscience Letters*, **2018**, 683, 100-103 | 3.3 | 10 |
| 63 | Endogenously generated 2-arachidonoylglycerol plays an inhibitory role in bombesin-induced activation of central adrenomedullary outflow in rats. *European Journal of Pharmacology*, **2011**, 658, 123-31 | 5.3 | 10 |
| 62 | Brain neuronal/inducible nitric oxide synthases and cyclooxygenase-1 are involved in the bombesin-induced activation of central adrenomedullary outflow in rats. *European Journal of Pharmacology*, **2008**, 590, 177-84 | 5.3 | 10 |
| 61 | Possible role of hydrogen sulfide as an endogenous relaxation factor in the rat bladder and prostate. *Neurourology and Urodynamics*, **2018**, 37, 2519-2526 | 2.3 | 9 |
| 60 | Brain serotoninergic nervous system is involved in bombesin-induced frequent urination through brain 5-HT receptors in rats. *British Journal of Pharmacology*, **2017**, 174, 3072-3080 | 8.6 | 9 |

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| 59 | Therapeutic effects of inhibition of brain-derived neurotrophic factor on voiding dysfunction in mice with spinal cord injury. *American Journal of Physiology - Renal Physiology*, **2019**, 317, F1305-F1310 | 4.3 | 8 |
| 58 | Nerve growth factor-dependent hyperexcitability of capsaicin-sensitive bladder afferent neurones in mice with spinal cord injury. *Experimental Physiology*, **2018**, 103, 896-904 | 2.4 | 8 |
| 57 | Angiotensin II, a stress-related neuropeptide in the CNS, facilitates micturition reflex in rats. *British Journal of Pharmacology*, **2018**, 175, 3727-3737 | 8.6 | 8 |
| 56 | Roles of brain phosphatidylinositol-specific phospholipase C and diacylglycerol lipase in centrally administered histamine-induced adrenomedullary outflow in rats. *European Journal of Pharmacology*, **2007**, 571, 138-44 | 5.3 | 8 |
| 55 | Possible involvement of S-nitrosylation of brain cyclooxygenase-1 in bombesin-induced central activation of adrenomedullary outflow in rats. *European Journal of Pharmacology*, **2012**, 679, 40-50 | 5.3 | 7 |
| 54 | Centrally administered neuromedin U elevates plasma adrenaline by brain prostanoid TP receptor-mediated mechanisms in rats. *European Journal of Pharmacology*, **2008**, 592, 81-6 | 5.3 | 7 |
| 53 | Effect of caffeine on long-term potentiation-like effects induced by quadripulse transcranial magnetic stimulation. *Experimental Brain Research*, **2019**, 237, 647-651 | 2.3 | 7 |
| 52 | Plasticity induction in the pre-supplementary motor area (pre-SMA) and SMA-proper differentially affects visuomotor sequence learning. *Brain Stimulation*, **2020**, 13, 229-238 | 5.1 | 7 |
| 51 | Angiotensin II centrally induces frequent detrusor contractility of the bladder by acting on brain angiotensin II type 1 receptors in rats. *Scientific Reports*, **2016**, 6, 22213 | 4.9 | 6 |
| 50 | Central bombesin possibly induces S-nitrosylation of cyclooxygenase-1 in pre-sympathetic neurons of rat hypothalamic paraventricular nucleus. *Life Sciences*, **2014**, 100, 85-96 | 6.8 | 6 |
| 49 | Brain cyclooxygenase and prostanoid TP receptors are involved in centrally administered epibatidine-induced secretion of noradrenaline and adrenaline from the adrenal medulla in rats. *European Journal of Pharmacology*, **2009**, 606, 77-83 | 5.3 | 6 |
| 48 | 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). *European Journal of Pharmacology*, **2009**, 611, 30-4 | 5.3 | 6 |
| 47 | Role of brain prostanoids in glucagon-like peptide-1-induced central activation of sympatho-adrenomedullary outflow in rats. *Clinical and Experimental Pharmacology and Physiology*, **2008**, 35, 965-70 | 3 | 6 |
| 46 | Protective Role of Glutathione in the Hippocampus after Brain Ischemia. *International Journal of Molecular Sciences*, **2021**, 22, | 6.3 | 6 |
| 45 | 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. *Experimental Neurology*, **2017**, 291, 44-50 | 5.7 | 5 |
| 44 | Centrally administered bombesin activates COX-containing spinally projecting neurons of the PVN in anesthetized rats. *Autonomic Neuroscience: Basic and Clinical*, **2012**, 169, 63-9 | 2.4 | 5 |
| 43 | Stimulatory and inhibitory roles of brain 2-arachidonoylglycerol in bombesin-induced central activation of adrenomedullary outflow in rats. *Journal of Pharmacological Sciences*, **2013**, 121, 157-71 | 3.7 | 5 |
| 42 | Effects of silodosin and tadalafil on bladder dysfunction in spontaneously hypertensive rats: Possible role of bladder blood flow. *International Journal of Urology*, **2020**, 27, 258-265 | 2.3 | 4 |

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| 41 | Effects of a selective androgen receptor modulator (SARM), GSK2849466A, on stress urinary incontinence and bladder activity in rats with ovariectomy-induced oestrogen deficiency. *BJU International*, **2020**, 125, 911-919 | 5.6 | 4 |
| 40 | Urodynamic effects of intravenous and intrathecal administration of E-series prostaglandin 1 receptor antagonist on detrusor overactivity in rats with spinal cord injury. *Neurourology and Urodynamics*, **2018**, 37, 132-137 | 2.3 | 4 |
| 39 | Protective effect of hydroxyfasudil, a Rho kinase inhibitor, on ventral prostatic hyperplasia in the spontaneously hypertensive rat. *Prostate*, **2015**, 75, 1774-82 | 4.2 | 4 |
| 38 | Role of K+ channels in M2 muscarinic receptor-mediated inhibition of noradrenaline release from the rat stomach. *Journal of Pharmacological Sciences*, **2004**, 96, 286-92 | 3.7 | 4 |
| 37 | Effect of naftopidil on brain noradrenaline-induced decrease in arginine-vasopressin secretion in rats. *Journal of Pharmacological Sciences*, **2016**, 132, 86-91 | 3.7 | 4 |
| 36 | Protective effects of the selective alpha1A-adrenoceptor antagonist silodosin against cyclophosphamide-induced cystitis in rats. *Journal of Pharmacological Sciences*, **2016**, 132, 71-77 | 3.7 | 4 |
| 35 | Role of p38 MAP kinase signaling pathways in storage and voiding dysfunction in mice with spinal cord injury. *Neurourology and Urodynamics*, **2020**, 39, 108-115 | 2.3 | 4 |
| 34 | Attenuation of zinc-enhanced inflammatory M1 phenotype of microglia by peridinin protects against short-term spatial-memory impairment following cerebral ischemia in mice. *Biochemical and Biophysical Research Communications*, **2018**, 507, 476-483 | 3.4 | 4 |
| 33 | Possible inhibitory role of endogenous 2-arachidonoylglycerol as an endocannabinoid in (□)-epibatidine-induced activation of central adrenomedullary outflow in the rat. *Neuropharmacology*, **2015**, 95, 278-89 | 5.5 | 3 |
| 32 | Protective effects of tadalafil on prostatic hyperplasia in spontaneously hypertensive rats. *European Journal of Pharmacology*, **2020**, 882, 173313 | 5.3 | 3 |
| 31 | Hydrogen sulfide-induced relaxation of the bladder is attenuated in spontaneously hypertensive rats. *International Urology and Nephrology*, **2019**, 51, 1507-1515 | 2.3 | 3 |
| 30 | Stimulation of brain □7-nicotinic acetylcholine receptors suppresses the rat micturition through brain GABAergic receptors. *Biochemical and Biophysical Research Communications*, **2021**, 548, 84-90 | 3.4 | 3 |
| 29 | The role of diurnal fluctuations in excitatory amino acid carrier 1 levels in post-ischemic hippocampal Zn accumulation. *Experimental Neurology*, **2021**, 336, 113538 | 5.7 | 3 |
| 28 | Role of the serotonergic system in urethral continence reflexes during sneezing in rats. *American Journal of Physiology - Renal Physiology*, **2018**, 315, F79-F85 | 4.3 | 3 |
| 27 | Aging-related severe hypertension induces detrusor underactivity in rats. *Life Sciences*, **2021**, 283, 119856 | 6.8 | 3 |
| 26 | Brain opioid and nociceptin receptors are involved in regulation of bombesin-induced activation of central sympatho-adrenomedullary outflow in the rat. *Molecular and Cellular Biochemistry*, **2016**, 411, 201-11 | 4.2 | 2 |
| 25 | Zinc-aggravated M1 microglia regulate astrocytic engulfment via P2□ receptors. *Journal of Trace Elements in Medicine and Biology*, **2020**, 61, 126518 | 4.1 | 2 |
| 24 | Differential effects of thyrotropin releasing hormone (TRH) on motor execution and motor adaptation process in patients with spinocerebellar degeneration. *Journal of the Neurological Sciences*, **2020**, 415, 116927 | 3.2 | 2 |

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| 23 | Brain nitric oxide induces facilitation of the micturition reflex through brain glutamatergic receptors in rats. *Neurourology and Urodynamics*, **2020**, 39, 1687-1699 | 2.3 | 2 |
| 22 | Stimulation of brain nicotinic acetylcholine receptors activates adrenomedullary outflow via brain inducible NO synthase-mediated S-nitrosylation. *British Journal of Pharmacology*, **2018**, 175, 3758-3772 | 8.6 | 2 |
| 21 | Central angiotensin II type 1 receptor as a therapeutic target against frequent urination. *Neurourology and Urodynamics*, **2019**, 38, 2112-2120 | 2.3 | 2 |
| 20 | 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-dihydroxyphenyalanine (l-DOPA) receptor.. *Journal of Pharmacological Sciences*, **2022**, 148, 214-220 | 3.7 | 2 |
| 19 | Brain hydrogen sulfide suppresses the micturition reflex via brain GABA receptors in rats. *Nitric Oxide - Biology and Chemistry*, **2020**, 104-105, 44-50 | 5 | 2 |
| 18 | Therapeutic effects of losartan on prostatic hyperplasia in spontaneously hypertensive rats. *Life Sciences*, **2021**, 266, 118924 | 6.8 | 2 |
| 17 | Psychological/mental stress-induced effects on urinary function: Possible brain molecules related to psychological/mental stress-induced effects on urinary function. *International Journal of Urology*, **2021**, 28, 1093-1104 | 2.3 | 2 |
| 16 | Vesicovascular reflexes in the spontaneously hypertensive rat. *Life Sciences*, **2016**, 144, 202-7 | 6.8 | 1 |
| 15 | Analysis of continence reflexes by dynamic urethral pressure recordings in a rat stress urinary incontinence model induced by multiple simulated birth traumas. *American Journal of Physiology - Renal Physiology*, **2019**, 317, F781-F788 | 4.3 | 1 |
| 14 | Brain phospholipase C, diacylglycerol lipase and monoacylglycerol lipase are involved in (□)-epibatidine-induced activation of central adrenomedullary outflow in rats. *European Journal of Pharmacology*, **2012**, 691, 93-102 | 5.3 | 1 |
| 13 | Age-related differences in responses to hydrogen sulfide in the bladder of spontaneously hypertensive rats. *International Journal of Urology*, **2021**, 28, 459-465 | 2.3 | 1 |
| 12 | Stimulation of brain cannabinoid CB receptors can ameliorate hypertension in spontaneously hypertensive rats. *Clinical and Experimental Pharmacology and Physiology*, **2020**, 47, 1254-1262 | 3 | 0 |
| 11 | Effects of losartan on bladder dysfunction due to aging-related severe hypertension in rats.. *European Journal of Pharmacology*, **2022**, 922, 174911 | 5.3 | 0 |
| 10 | Pharmacological studies on the central regulation mechanisms for stress response. *Proceedings for Annual Meeting of the Japanese Pharmacological Society*, **2018**, WCP2018, AL2-3 | 0 | |
| 9 | Marine-derived compound-A suppresses zinc-enhanced pro-inflammatory M1 phenotype of microglia via inhibition of ROS generation. *Proceedings for Annual Meeting of the Japanese Pharmacological Society*, **2018**, WCP2018, PO4-1-92 | 0 | |
| 8 | Stimulation of brain nicotinic acetylcholine receptors induces activation of central adrenomedullary outflow through protein S-nitrosylation in the rat brain. *Proceedings for Annual Meeting of the Japanese Pharmacological Society*, **2018**, WCP2018, PO4-1-64 | 0 | |
| 7 | Roles of brain nitric oxide in micturition of rats. *Proceedings for Annual Meeting of the Japanese Pharmacological Society*, **2018**, WCP2018, PO2-4-16 | 0 | |
| 6 | Involvement of IL-4-induced intracellular zinc release in microglial M2 phenotype. *Proceedings for Annual Meeting of the Japanese Pharmacological Society*, **2018**, WCP2018, PO1-1-100 | 0 | |

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| 5 | Endogenous hydrogen sulfide can function as a relaxation factor in the bladder and prostate of male rats. *Proceedings for Annual Meeting of the Japanese Pharmacological Society*, **2018**, WCP2018, PO2-4-10 | 0 |
| 4 | Losartan, angiotensin II type 1 receptor blocker improves prostatic hyperplasia in spontaneously hypertensive rats. *Proceedings for Annual Meeting of the Japanese Pharmacological Society*, **2021**, 94, 2-P2-12 | 0 |
| 3 | 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. *Journal of Obstetrics and Gynaecology Research*, **2021**, 47, 1903-1908 | 1.9 |
| 2 | Drug therapy targeting angiotensin II type 1 receptors in the brain against frequent urination. *Proceedings for Annual Meeting of the Japanese Pharmacological Society*, **2022**, 95, 1-S06-1 | 0 |
| 1 | Stimulation of brain corticotropin-releasing factor receptor type1 facilitates the rat micturition via brain glutamatergic receptors.. *Biochemical and Biophysical Research Communications*, **2022**, 607, 54-59 | 3.4 |