Sae Uchida

List of Publications by Year
in descending order

60 papers	1,814 citations	279487 23 h-index	276539 41 g-index
60 all docs	60 docs citations	60 times ranked	1400 citing authors

#	Article	IF	Citations
1	Neural mechanisms of the reflex inhibition and excitation of gastric motility elicited by acupuncture-like stimulation in anesthetized rats. Neuroscience Research, 1993, 18, 53-62.	1.0	215
2	Aging of the autonomic nervous system and possible improvements in autonomic activity using somatic afferent stimulation. Geriatrics and Gerontology International, 2010, 10, S127-36.	0.7	118
3	Calcitonin gene-related peptide produces skeletal muscle vasodilation following antidromic stimulation of unmyelinated afferents in the dorsal root in rats. Neuroscience Letters, 2000, 283, 137-140.	1.0	102
4	Afferent nerve fibers and acupuncture. Autonomic Neuroscience: Basic and Clinical, 2010, 157, 2-8.	1.4	90
5	Effect of Acupuncture-Like Stimulation on Cortical Cerebral Blood Flow in Anesthetized Rats.. The Japanese Journal of Physiology, 2000, 50, 495-507.	0.9	88
6	The effect of electro-acupuncture stimulation on the muscle blood flow of the hindlimb in anesthetized rats. Journal of the Autonomic Nervous System, 1999, 75, 78-86.	1.9	86
7	Manual Acupuncture Needle Stimulation of the Rat Hindlimb Activates Groups I, II, III and IV Single Afferent Nerve Fibers in the Dorsal Spinal Roots. The Japanese Journal of Physiology, 2005, 55, 149-155.	0.9	78
8	Activation of the intracerebral cholinergic nerve fibers originating in the basal forebrain increases regional cerebral blood flow in the rat's cortex and hippocampus. Neuroscience Letters, 2004, 361, 90-93.	1.0	75
9	Effect of stimulation of nicotinic cholinergic receptors on cortical cerebral blood flow and changes in the effect during aging in anesthetized rats. Neuroscience Letters, 1997, 228, 203-206.	1.0	70
10	Basal forebrain stimulation induces NGF secretion in ipsilateral parietal cortex via nicotinic receptor activation in adult, but not aged rats. Neuroscience Research, 2009, 63, 122-128.	1.0	52
11	Reflex Modulation of Catecholamine Secretion and Adrenal Sympathetic Nerve Activity by Acupuncture-Like Stimulation in Anesthetized Rat.. The Japanese Journal of Physiology, 1996, 46, 411-421.	0.9	51
12	Effects of age on cholinergic vasodilation of cortical cerebral blood vessels in rats. Neuroscience Letters, 2000, 294, 109-112.	1.0	45
13	Reflex modulation of visceral functions by acupuncture-like stimulation in anesthetized rats. International Congress Series, 2002, 1238, 111-123.	0.2	41
14	Effects of Stimulating the Nucleus Basalis of Meynert on Blood Flow and Delayed Neuronal Death Following Transient Ischemia in the Rat Cerebral Cortex.. The Japanese Journal of Physiology, 2002, 52, 383-393.	0.9	38
15	Mechanism of the reflex inhibition of heart rate elicited by acupuncture-like stimulation in anesthetized rats. Autonomic Neuroscience: Basic and Clinical, 2008, 143, 12-19.	1.4	37
16	Electro-acupuncture stimulation to a hindpaw and a hind leg produces different reflex responses in sympathoadrenal medullary function in anesthetized rats. Journal of the Autonomic Nervous System, 2000, 79, 93-98.	1.9	33
17	Autonomic nervous regulation of ovarian function by noxious somatic afferent stimulation. Journal of Physiological Sciences, 2015, 65, 1-9.	0.9	32
18	Uterine contractility and blood flow are reflexively regulated by cutaneous afferent stimulation in anesthetized rats. Journal of the Autonomic Nervous System, 1999, 75, 23-31.	1.9	30

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19	Effects of Electrical Stimulation of the Superior Ovarian Nerve and the Ovarian Plexus Nerve on the Ovarian Estradiol Secretion Rate in Rats. Journal of Physiological Sciences, 2008, 58, 133-138.	0.9	30
20	Gentle mechanical skin stimulation inhibits the somatocardiac sympathetic. European Journal of Pain, 2010, 14, 806-813.	1.4	30
21	Neural Mechanism of Bradycardiac Responses Elicited by Acupuncture-Like Stimulation to a Hind Limb in Anesthetized Rats. Journal of Physiological Sciences, 2007, 57, 377-382.	0.9	27
22	Modulation of somatosensoryâ€evoked cortical blood flow changes by GABAergic inhibition of the nucleus basalis of Meynert in urethaneâ€anaesthetized rats. Journal of Physiology, 2010, 588, 2163-2171.	1.3	26
23	Neural mechanisms of reflex inhibition of heart rate elicited by acupuncture-like stimulation in anesthetized rats. Autonomic Neuroscience: Basic and Clinical, 2010, 157, 18-23.	1.4	25
24	Effect of Moxibustion Stimulation of Various Skin Areas on Cortical Cerebral Blood Flow in Anesthetized Rats. The American Journal of Chinese Medicine, 2003, 31, 611-621.	1.5	24
25	Sympathetic regulation of estradiol secretion from the ovary. Autonomic Neuroscience: Basic and Clinical, 2015, 187, 27-35.	1.4	23
26	Reflex choroidal blood flow responses of the eyeball following somatic sensory stimulation in rats. Autonomic Neuroscience: Basic and Clinical, 2002, 97, 35-41.	1.4	22
27	Control of cerebral cortical blood flow by stimulation of basal forebrain cholinergic areas in mice. Journal of Physiological Sciences, 2011, 61, 201-9.	0.9	22
28	Nicotine-induced NO-mediated increase in cortical cerebral blood flow is blocked by Î²2-adrenoceptor antagonists in the anesthetized rats. Autonomic Neuroscience: Basic and Clinical, 2002, 96, 126-130.	1.4	21
29	Cerebral Cortical Vasodilatation Mediated by Nicotinic Cholinergic Receptors: Effects of Old Age and of Chronic Nicotine Exposure. Biological and Pharmaceutical Bulletin, 2009, 32, 341-344.	0.6	21
30	REFLEX MODULATION OF GASTRIC AND VESICAL FUNCTION BY ACUPUNCTURE-LIKE STIMULATION IN ANESTHETIZED RATS . Biomedical Research, 1994, 15, 59-65.	0.3	20
31	Ovarian blood flow is reflexively regulated by mechanical afferent stimulation of a hindlimb in nonpregnant anesthetized rats. Autonomic Neuroscience: Basic and Clinical, 2003, 106, 91-97.	1.4	19
32	Cutaneous Mechanical Stimulation Regulates Ovarian Blood Flow via Activation of Spinal and Supraspinal Reflex Pathways in Anesthetized Rats. The Japanese Journal of Physiology, 2005, 55, 265-277.	0.9	19
33	The role of alpha adrenoceptors in the vascular and estradiol secretory responses to stimulation of the superior ovarian nerve. Journal of Physiological Sciences, 2011, 61, 247-251.	0.9	18
34	Number, size, conduction, and vasoconstrictor ability of unmyelinated fibers of the ovarian nerve in adult and aged rats. Autonomic Neuroscience: Basic and Clinical, 2011, 164, 6-12.	1.4	12
35	Effect of acupuncture-like stimulation on cortical cerebral blood flow in aged rats. Journal of Physiological Sciences, 2015, 65, 67-75.	0.9	12
36	Somatoautonomic reflexes in acupuncture therapy: A review. Autonomic Neuroscience: Basic and Clinical, 2017, 203, 1-8.	1.4	12

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37	Responses of Acetylcholine Release and Regional Blood Flow in the Hippocampus during Walking in Aged Rats. Journal of Physiological Sciences, 2006, 56, 253-257.	0.9	11
38	Sustained subcutaneous infusion of nicotine enhances cholinergic vasodilation in the cerebral cortex induced by stimulation of the nucleus basalis of Meynert in rats. European Journal of Pharmacology, 2011, 654, 235-240.	1.7	11
39	Reflex modulation of ovarian estradiol secretion by noxious mechanical stimulation of a hindpaw in anesthetized rats. Autonomic Neuroscience: Basic and Clinical, 2012, 171, 14-20.	1.4	11
40	Effects of Thermal Stimulation, Applied to the Hindpaw via a Hot Water Bath, upon Ovarian Blood Flow in Anesthetized Nonpregnant Rats. Journal of Physiological Sciences, 2007, 57, 227-233.	0.9	11
41	The effects of morphine on supraspinal and propriospinal somatocardiac reflexes in anesthetized rats. Neuroscience Letters, 1999, 269, 161-164.	1.0	10
42	Long-term nicotine treatment reduces cerebral cortical vasodilation mediated by Î±4Î²2-like nicotinic acetylcholine receptors in rats. European Journal of Pharmacology, 2009, 609, 100-104.	1.7	9
43	Sympathetic neural regulation of olfactory bulb blood flow in adult and aged rats. Autonomic Neuroscience: Basic and Clinical, 2009, 147, 75-79.	1.4	9
44	Effects of electrical stimulation of autonomic nerves to the ovary on the ovarian testosterone secretion rate in rats. Autonomic Neuroscience: Basic and Clinical, 2014, 180, 48-52.	1.4	9
45	Effects of nicotine on regional blood flow in the olfactory bulb in rats. European Journal of Pharmacology, 2006, 546, 148-151.	1.7	8
46	Effect of basal forebrain stimulation on extracellular acetylcholine release and blood flow in the olfactory bulb. Journal of Physiological Sciences, 2018, 68, 415-423.	0.9	8
47	The relationship between olfaction and cognitive function in the elderly. Journal of Physiological Sciences, 2020, 70, 48.	0.9	7
48	Sympatho-inhibitory response of the heart as a result of short-term acupuncture-like stimulation of the rat hindlimb is not augmented when sympathetic tone is high as a result of hypercapnia. Journal of Physiological Sciences, 2010, 60, 221-225.	0.9	6
49	Somatosensory regulation of resting muscle blood flow and physical therapy. Autonomic Neuroscience: Basic and Clinical, 2019, 220, 102557.	1.4	6
50	Effects of nicotine on odor-induced increases in regional blood flow in the olfactory bulb in rats. Journal of Physiological Sciences, 2019, 69, 425-431.	0.9	6
51	Effects of nicotine on regional blood flow in the olfactory bulb in response to olfactory nerve stimulation. Journal of Physiological Sciences, 2020, 70, 30.	0.9	6
52	The missing link between long-term stimulation of nicotinic receptors and the increases of acetylcholine release and vasodilation in the cerebral cortex of aged rats. Journal of Physiological Sciences, 2013, 63, 95-101.	0.9	5
53	Blood pressure-independent increase in the cortical cerebral blood flow induced by manual acupuncture of the auricular region in rats. Journal of Physiological Sciences, 2019, 69, 165-170.	0.9	5
54	Sympathetic regulation of ovarian functions under chronic estradiol treatment in rats. Autonomic Neuroscience: Basic and Clinical, 2016, 197, 19-24.	1.4	3

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55	Cholinergic Vasodilative System in the Cerebral Cortex: Effects of Acupuncture and Aging. JAMS Journal of Acupuncture and Meridian Studies, 2014, 7, 173-179.	0.3	2
56	Afferent fibers involved in the bradykinin-induced cardiovascular reflexes from the ovary in rats. Autonomic Neuroscience: Basic and Clinical, 2015, 193, 57-62.	1.4	2
57	Neural Mechanisms Involved in the Noxious Physical Stressâ€Induced Inhibition of Ovarian Estradiol Secretion. Anatomical Record, 2019, 302, 904-911.	0.8	2
58	Olfactory function and discrimination ability in the elderly: a pilot study. Journal of Physiological Sciences, 2022, 72, 8.	0.9	2
59	Mechanism of physical stress-induced inhibition of ovarian estradiol secretion in anesthetized rats. Autonomic Neuroscience: Basic and Clinical, 2017, 206, 63-66.	1.4	1
60	Effects and Mechanisms of Acupuncturte on Digestive Function. Zen Nihon Shinkyu Gakkai Zasshi (Journal of the Japan Society of Acupuncture and Moxibustion), 2017, 67, 78-91.	0.1	0