

# Youichirou Ootsuka

## List of Publications by Citations

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55  
papers

1,385  
citations

25  
h-index

35  
g-index

56  
ext. papers

1,499  
ext. citations

3.6  
avg, IF

4.69  
L-index

#	Paper	IF	Citations
55	Brown adipose tissue thermogenesis heats brain and body as part of the brain-coordinated ultradian basic rest-activity cycle. <i>Neuroscience</i> , <b>2009</b> , 164, 849-61	3.9	74
54	Inhibition of rostral medullary raphe neurons prevents cold-induced activity in sympathetic nerves to rat tail and rabbit ear arteries. <i>Neuroscience Letters</i> , <b>2004</b> , 357, 58-62	3.3	71
53	Activation of 5-HT1A receptors in the medullary raphe reduces cardiovascular changes elicited by acute psychological and inflammatory stresses in rabbits. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2005</b> , 289, R596-R604	3.2	59
52	Body Temperature Measurements for Metabolic Phenotyping in Mice. <i>Frontiers in Physiology</i> , <b>2017</b> , 8, 520	4.6	54
51	Leptin injection into white adipose tissue elevates renal sympathetic nerve activity dose-dependently through the afferent nerves pathway in rats. <i>Neuroscience Letters</i> , <b>2000</b> , 293, 107-10	3.3	52
50	Thermogenesis in brown adipose tissue: increase by 5-HT2A receptor activation and decrease by 5-HT1A receptor activation in conscious rats. <i>Neuroscience Letters</i> , <b>2006</b> , 395, 170-4	3.3	46
49	Fever response to intravenous prostaglandin E2 is mediated by the brain but does not require afferent vagal signaling. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2008</b> , 294, R1294-303	3.2	45
48	Comparison between two rat sympathetic pathways activated in cold defense. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2006</b> , 291, R589-95	3.2	45
47	Heating and eating: brown adipose tissue thermogenesis precedes food ingestion as part of the ultradian basic rest-activity cycle in rats. <i>Physiology and Behavior</i> , <b>2012</b> , 105, 966-74	3.5	44
46	5-Hydroxytryptamine 1A receptors inhibit cold-induced sympathetically mediated cutaneous vasoconstriction in rabbits. <i>Journal of Physiology</i> , <b>2003</b> , 552, 303-14	3.9	44
45	Neurons in the caudal ventrolateral medulla mediate the somato-sympathetic inhibitory reflex response via GABA receptors in the rostral ventrolateral medulla. <i>Journal of the Autonomic Nervous System</i> , <b>1992</b> , 40, 91-8		44
44	Control of cutaneous blood flow by central nervous system. <i>Temperature</i> , <b>2015</b> , 2, 392-405	5.2	43
43	Clozapine reverses increased brown adipose tissue thermogenesis induced by 3,4-methylenedioxymethamphetamine and by cold exposure in conscious rats. <i>Neuroscience</i> , <b>2006</b> , 141, 2067-73	3.9	42
42	Selective blockade of 5-HT2A receptors attenuates the increased temperature response in brown adipose tissue to restraint stress in rats. <i>Stress</i> , <b>2008</b> , 11, 125-33	3	41
41	Spinal 5-HT2A receptors regulate cutaneous sympathetic vasomotor outflow in rabbits and rats; relevance for cutaneous vasoconstriction elicited by MDMA (3,4-methylenedioxymethamphetamine, "Ecstasy") and its reversal by clozapine. <i>Brain Research</i> , <b>2004</b> , 1014, 21-31	3.7	40
40	Direct measurement of renal sympathetic nervous activity in high-fat diet-related hypertensive rats. <i>Life Sciences</i> , <b>2002</b> , 71, 537-46	6.8	39
39	Functionally different neurons are organized topographically in the rostral ventrolateral medulla of rabbits. <i>Journal of the Autonomic Nervous System</i> , <b>1997</b> , 67, 67-78		34

38	Activation of slowly conducting medullary raphe-spinal neurons, including serotonergic neurons, increases cutaneous sympathetic vasomotor discharge in rabbit. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2005</b> , 288, R909-18	3.2	34
37	Brown adipose tissue thermogenesis contributes to emotional hyperthermia in a resident rat suddenly confronted with an intruder rat. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2014</b> , 306, R394-400	3.2	33
36	Inhibition of medullary raphe/parapyramidal neurons prevents cutaneous vasoconstriction elicited by alerting stimuli and by cold exposure in conscious rabbits. <i>Brain Research</i> , <b>2005</b> , 1051, 189-93	3.7	33
35	Activation of 5-HT1A receptors in rostral medullary raphe inhibits cutaneous vasoconstriction elicited by cold exposure in rabbits. <i>Brain Research</i> , <b>2006</b> , 1073-1074, 252-61	3.7	32
34	Dopamine D2 receptor stimulation inhibits cold-initiated thermogenesis in brown adipose tissue in conscious rats. <i>Neuroscience</i> , <b>2007</b> , 147, 127-35	3.9	32
33	Independent vasomotor control of rat tail and proximal hairy skin. <i>Journal of Physiology</i> , <b>2007</b> , 582, 421-33	3.3	31
32	Timing of activities of daily life is jaggy: How episodic ultradian changes in body and brain temperature are integrated into this process. <i>Temperature</i> , <b>2016</b> , 3, 371-383	5.2	28
31	When administered to rats in a cold environment, 3,4-methylenedioxymethamphetamine reduces brown adipose tissue thermogenesis and increases tail blood flow: effects of pretreatment with 5-HT1A and dopamine D2 antagonists. <i>Neuroscience</i> , <b>2008</b> , 154, 1619-26	3.9	26
30	Reduced brown adipose tissue thermogenesis during environmental interactions in transgenic rats with ataxin-3-mediated ablation of hypothalamic orexin neurons. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2014</b> , 307, R978-89	3.2	24
29	Brown adipose tissue thermogenesis, the basic rest-activity cycle, meal initiation, and bodily homeostasis in rats. <i>Physiology and Behavior</i> , <b>2013</b> , 121, 61-9	3.5	24
28	Sympathetic cutaneous vasomotor alerting responses (SCVARs) are associated with hippocampal theta rhythm in non-moving conscious rats. <i>Brain Research</i> , <b>2009</b> , 1298, 123-30	3.7	24
27	SR59230A, a beta-3 adrenoceptor antagonist, inhibits ultradian brown adipose tissue thermogenesis and interrupts associated episodic brain and body heating. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2011</b> , 301, R987-94	3.2	23
26	Activation of the habenula complex evokes autonomic physiological responses similar to those associated with emotional stress. <i>Physiological Reports</i> , <b>2015</b> , 3, e12297	2.6	19
25	TRPA1 detects environmental chemicals and induces avoidance behavior and arousal from sleep. <i>Scientific Reports</i> , <b>2013</b> , 3, 3100	4.9	18
24	The spinally mediated 10-Hz rhythm in the sympathetic nerve activity of cats. <i>Journal of the Autonomic Nervous System</i> , <b>1995</b> , 54, 89-103		18
23	Inactivation of neuronal function in the amygdaloid region reduces tail artery blood flow alerting responses in conscious rats. <i>Neuroscience</i> , <b>2013</b> , 228, 13-22	3.9	16
22	Rhythmic activities of the sympatho-excitatory neurons in the medulla of rabbits: neurons controlling cutaneous vasomotion. <i>Autonomic Neuroscience: Basic and Clinical</i> , <b>2002</b> , 101, 48-59	2.4	15
21	Lateral habenula regulation of emotional hyperthermia: mediation via the medullary raphe. <i>Scientific Reports</i> , <b>2017</b> , 7, 4102	4.9	14

20	Activation of dopamine D2 receptors in the CNS inhibits sympathetic cutaneous vasomotor alerting responses (SCVARs), contributing to clozapine-SCVAR-inhibiting action. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , <b>2007</b> , 31, 328-36	5.5	13
19	The integrated ultradian organization of behavior and physiology in mice and the contribution of orexin to the ultradian patterning. <i>Neuroscience</i> , <b>2016</b> , 334, 119-133	3.9	12
18	Attenuated cold defense responses in orexin neuron-ablated rats. <i>Temperature</i> , <b>2016</b> , 3, 465-475	5.2	11
17	The 10-Hz rhythm in the sympathetic nerve activity of cats, rats and rabbits. <i>Neuroscience Letters</i> , <b>1995</b> , 196, 173-6	3.3	11
16	Different cardiovascular neuron groups in the ventral reticular formation of the rostral medulla in rabbits: single neurone studies. <i>Journal of the Autonomic Nervous System</i> , <b>2000</b> , 79, 74-83		10
15	Inactivation of Serotonergic Neurons in the Rostral Medullary Raphe Attenuates Stress-Induced Tachypnea and Tachycardia in Mice. <i>Frontiers in Physiology</i> , <b>2018</b> , 9, 832	4.6	9
14	The impact of hypothermia on emergence from isoflurane anesthesia in orexin neuron-ablated mice. <i>Anesthesia and Analgesia</i> , <b>2013</b> , 116, 1001-1005	3.9	9
13	Effect of peripheral administration of leptin on the renal sympathetic nerve activity in high-fat diet-related hypertensive rats. <i>Life Sciences</i> , <b>2006</b> , 78, 1149-54	6.8	9
12	Clozapine, chlorpromazine and risperidone dose-dependently reduce emotional hyperthermia, a biological marker of salience. <i>Psychopharmacology</i> , <b>2017</b> , 234, 3259-3269	4.7	7
11	Atypical antipsychotics cause an acute increase in cutaneous hand blood flow in patients with schizophrenia and schizoaffective disorder. <i>Australian and New Zealand Journal of Psychiatry</i> , <b>2011</b> , 45, 646-53	2.6	6
10	Locus coeruleus noradrenergic innervation of the amygdala facilitates alerting-induced constriction of the rat tail artery. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2016</b> , 310, R1109-19	3.2	6
9	Brown adipose tissue thermogenesis precedes food intake in genetically obese Zucker (fa/fa) rats. <i>Physiology and Behavior</i> , <b>2013</b> , 118, 129-37	3.5	5
8	Activating dopamine D2 receptors reduces brown adipose tissue thermogenesis induced by psychological stress and by activation of the lateral habenula. <i>Scientific Reports</i> , <b>2019</b> , 9, 19512	4.9	5
7	Functional significance of the 10 Hz rhythmic discharges in sympathetic nerves. <i>Clinical and Experimental Pharmacology and Physiology</i> , <b>1998</b> , 25, 464-7	3	3
6	Neurons in ventral tegmental area tonically inhibit sympathetic outflow to brown adipose tissue: possible mediation of thermogenic signals from lateral habenula. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2019</b> , 316, R6-R12	3.2	3
5	Blockade of 5-HT <sub>2A</sub> receptors inhibits emotional hyperthermia in mice. <i>Journal of Physiological Sciences</i> , <b>2019</b> , 69, 1097-1102	2.3	2
4	Inhibition of the dorsomedial hypothalamus substantially decreases brown adipose tissue sympathetic discharge induced by activation of the lateral habenula. <i>Autonomic Neuroscience: Basic and Clinical</i> , <b>2021</b> , 230, 102745	2.4	2
3	Alpha-adrenergic receptor agonists prevent emotional hyperthermia. <i>Brain Research</i> , <b>2020</b> , 1732, 146678-7	3.7	1

- 2 Multifaceted roles of orexin neurons in mediating methamphetamine-induced changes in body temperature and heart rate.. *IBRO Neuroscience Reports*, **2022**, 12, 108-120 0
- 1 Bursts of brown adipose tissue (BAT) metabolism underlie periodic fluctuations in body temperature (T<sub>b</sub>) in rats: a newly discovered ultradian rhythm. *FASEB Journal*, **2008**, 22, 956.4 0.9