

Shin-ichi Sekizawa

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9892584/publications.pdf>

Version: 2024-02-01

39
papers

820
citations

430874

18
h-index

477307

29
g-index

39
all docs

39
docs citations

39
times ranked

555
citing authors

#	ARTICLE	IF	CITATIONS
1	Nasal receptors responding to noxious chemical irritants. <i>Respiration Physiology</i> , 1994, 96, 37-48.	2.7	97
2	Plasticity in the nucleus tractus solitarius and its influence on lung and airway reflexes. <i>Journal of Applied Physiology</i> , 2006, 101, 322-327.	2.5	70
3	Substance P presynaptically depresses the transmission of sensory input to bronchopulmonary neurons in the guinea pig nucleus tractus solitarii. <i>Journal of Physiology</i> , 2003, 552, 547-559.	2.9	57
4	Plasticity of brainstem mechanisms of cough. <i>Respiratory Physiology and Neurobiology</i> , 2006, 152, 312-319.	1.6	54
5	Extended secondhand tobacco smoke exposure induces plasticity in nucleus tractus solitarius second-order lung afferent neurons in young guinea pigs. <i>European Journal of Neuroscience</i> , 2008, 28, 771-781.	2.6	40
6	Nasal receptors responding to cold and l-menthol airflow in the guinea pig. <i>Respiration Physiology</i> , 1996, 103, 211-219.	2.7	39
7	Air pollutants and cough. <i>Pulmonary Pharmacology and Therapeutics</i> , 2007, 20, 347-354.	2.6	39
8	Frequency response functions and information capacities of paired spider mechanoreceptor neurons. <i>Biological Cybernetics</i> , 2001, 85, 293-300.	1.3	37
9	Larynx vs. esophagus as reflexogenic sites for acid-induced bronchoconstriction in dogs. <i>Journal of Applied Physiology</i> , 1999, 86, 1226-1230.	2.5	36
10	Voltage-Activated Potassium Outward Currents in Two Types of Spider Mechanoreceptor Neurons. <i>Journal of Neurophysiology</i> , 1999, 81, 2937-2944.	1.8	34
11	Low-Voltage-Activated Calcium Current Does Not Regulate the Firing Behavior in Paired Mechanosensory Neurons With Different Adaptation Properties. <i>Journal of Neurophysiology</i> , 2000, 83, 746-753.	1.8	32
12	Peripheral GABAergic inhibition of spider mechanosensory afferents. <i>European Journal of Neuroscience</i> , 2002, 16, 96-104.	2.6	30
13	Inactivation of Voltage-Activated Na ⁺ Currents Contributes to Different Adaptation Properties of Paired Mechanosensory Neurons. <i>Journal of Neurophysiology</i> , 2001, 85, 1595-1602.	1.8	25
14	Group I Metabotropic Glutamate Receptors on Second-Order Baroreceptor Neurons Are Tonically Activated and Induce a Na ⁺ -Ca ²⁺ Exchange Current. <i>Journal of Neurophysiology</i> , 2006, 95, 882-892.	1.8	25
15	Nasal mechanoreceptors in guinea pigs. <i>Respiration Physiology</i> , 1996, 106, 223-230.	2.7	23
16	The respiratory activity of the superior laryngeal nerve in the rat. <i>Respiration Physiology</i> , 1991, 86, 355-368.	2.7	22
17	A Novel Postsynaptic Group II Metabotropic Glutamate Receptor Role in Modulating Baroreceptor Signal Transmission. <i>Journal of Neuroscience</i> , 2009, 29, 11807-11816.	3.6	22
18	Does histamine stimulate trigeminal nasal afferents?. <i>Respiration Physiology</i> , 1998, 112, 13-22.	2.7	18

#	ARTICLE	IF	CITATIONS
19	Distinct tachykinin NK ₁ receptor function in primate nucleus tractus solitarius neurons is dysregulated after secondhand tobacco smoke exposure. <i>British Journal of Pharmacology</i> , 2011, 163, 782-791.	5.4	16
20	Predicting the Responses of Mechanoreceptor Neurons to Physiological Inputs by Nonlinear System Identification. <i>Annals of Biomedical Engineering</i> , 2001, 29, 187-194.	2.5	14
21	Secondhand smoke exposure alters K ⁺ channel function and intrinsic cell excitability in a subset of second-order airway neurons in the nucleus tractus solitarius of young guinea pigs. <i>European Journal of Neuroscience</i> , 2010, 31, 673-684.	2.6	13
22	Secondhand tobacco smoke exposure differentially alters nucleus tractus solitarius neurons at two different ages in developing non-human primates. <i>Toxicology and Applied Pharmacology</i> , 2010, 242, 199-208.	2.8	12
23	Cardiopulmonary Responses to Capsaicin Instillation to the Laryngeal Lumen and Their Reflex Mechanisms in Rats. <i>Journal of Veterinary Medical Science</i> , 1996, 58, 761-767.	0.9	10
24	Asymmetry in reflex responses of nasal muscles in anesthetized guinea pigs. <i>Journal of Applied Physiology</i> , 1998, 85, 123-128.	2.5	9
25	Realignment of signal processing within a sensory brainstem nucleus as brain temperature declines in the Syrian hamster, a hibernating species. <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 2012, 198, 267-282.	1.6	9
26	Protection of signal processing at low temperature in baroreceptive neurons in the nucleus tractus solitarius of Syrian hamsters, a hibernating species. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2013, 305, R1153-R1162.	1.8	7
27	Bradykinin-Induced Airway Contraction in Two Lines of Guinea Pigs with Congenitally Different Airway Sensitivity. <i>Journal of Veterinary Medical Science</i> , 1997, 59, 613-615.	0.9	5
28	House-dust mite allergen and ozone exposure decreases histamine H3 receptors in the brainstem respiratory nuclei. <i>Toxicology and Applied Pharmacology</i> , 2010, 247, 204-210.	2.8	5
29	Effects of environmental enrichment on autonomic nervous activity in NSY mice. <i>Experimental Animals</i> , 2020, 69, 161-167.	1.1	5
30	Early attenuation of autonomic nervous function in senescence accelerated mouse-prone 8 (SAMP8). <i>Experimental Animals</i> , 2019, 68, 511-517.	1.1	4
31	The Afferent Activity of the Superior Laryngeal Nerve, and Respiratory Reflexes Specifically Responding to Intralaryngeal Pressure Changes in Anesthetized Shiba Goats. <i>Journal of Veterinary Medical Science</i> , 1997, 59, 885-890.	0.9	3
32	A context-free data compression approach to measuring information transmission by action potentials. <i>BioSystems</i> , 2003, 69, 55-61.	2.0	3
33	Autonomic nervous activity in rats can be evaluated by blood photoplethysmography-derived pulse rate variability analysis. <i>Translational and Regulatory Sciences</i> , 2021, 3, 17-21.	0.2	2
34	Chronic stimulation of group II metabotropic glutamate receptors in the medulla oblongata attenuates hypertension development in spontaneously hypertensive rats. <i>PLoS ONE</i> , 2021, 16, e0251495.	2.5	2
35	Loss of Group II Metabotropic Glutamate Receptor Signaling Exacerbates Hypertension in Spontaneously Hypertensive Rats. <i>Life</i> , 2021, 11, 720.	2.4	1
36	Developmental changes in two types of neurons in the nucleus tractus solitarius (NTS) of non-human primates. <i>FASEB Journal</i> , 2007, 21, A1442.	0.5	0

#	ARTICLE	IF	CITATIONS
37	Activation of leptin receptors in the NTS contributes to the elevated blood pressure in obesity via inhibiting NTS melanocortin signaling. FASEB Journal, 2012, 26, .	0.5	0
38	<i>In vitro</i> genotoxicity test package of antibiotics for human use submitted to the Japanese regulatory agency during 2004–2015. Fundamental Toxicological Sciences, 2017, 4, 241-245.	0.6	0
39	Research topics in regulatory science: Developmental and reproductive toxicity of human pharmaceuticals. Translational and Regulatory Sciences, 2020, 2, 60-67.	0.2	0