

Kazuya Sakai

List of Publications by Year in descending order

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90
papers

7,482
citations

66315

42
h-index

56687

83
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97
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97
docs citations

97
times ranked

3776
citing authors

#	ARTICLE	IF	CITATIONS
1	Temporal change in Syndecan-1 as a therapeutic target and a biomarker for the severity classification of COVID-19. <i>Thrombosis Journal</i> , 2021, 19, 55.	0.9	21
2	What single-unit recording studies tell us about the basic mechanisms of sleep and wakefulness. <i>European Journal of Neuroscience</i> , 2020, 52, 3507-3530.	1.2	8
3	Single unit activity of periaqueductal gray and deep mesencephalic nucleus neurons involved in sleep stage switching in the mouse. <i>European Journal of Neuroscience</i> , 2018, 47, 1110-1126.	1.2	14
4	Behavioural state-specific neurons in the mouse medulla involved in sleep-wake switching. <i>European Journal of Neuroscience</i> , 2018, 47, 1482-1503.	1.2	11
5	Association Between the Fertile Period and Live Birth Post-Kidney Transplantation: A Retrospective Single-Center Cohort Study. <i>Transplantation Proceedings</i> , 2017, 49, 1068-1072.	0.3	1
6	Are there Sleep-promoting Neurons in the Mouse Parafacial Zone?. <i>Neuroscience</i> , 2017, 367, 98-109.	1.1	11
7	Paradoxical (rapid eye movement) sleep-on neurons in the laterodorsal pontine tegmentum in mice. <i>Neuroscience</i> , 2015, 310, 455-471.	1.1	23
8	Cells of a common developmental origin regulate REM/non-REM sleep and wakefulness in mice. <i>Science</i> , 2015, 350, 957-961.	6.0	157
9	Single unit activity of the suprachiasmatic nucleus and surrounding neurons during the wake-sleep cycle in mice. <i>Neuroscience</i> , 2014, 260, 249-264.	1.1	17
10	Discharge properties of presumed cholinergic and noncholinergic laterodorsal tegmental neurons related to cortical activation in non-anesthetized mice. <i>Neuroscience</i> , 2012, 224, 172-190.	1.1	41
11	Sleep-waking discharge profiles of median preoptic and surrounding neurons in mice. <i>Neuroscience</i> , 2011, 182, 144-161.	1.1	35
12	Sleep-waking discharge profiles of dorsal raphe nucleus neurons in mice. <i>Neuroscience</i> , 2011, 197, 200-224.	1.1	55
13	Brainstem neurons responsible for postural, masseter or pharyngeal muscle atonia during paradoxical sleep in freely-moving cats. <i>Archives Italiennes De Biologie</i> , 2011, 149, 325-47.	0.1	6
14	Sleep-waking discharge of ventral tuberomammillary neurons in wild-type and histidine decarboxylase knock-out mice. <i>Frontiers in Behavioral Neuroscience</i> , 2010, 4, 53.	1.0	42
15	Locus coeruleus neuronal activity during the sleep-waking cycle in mice. <i>Neuroscience</i> , 2010, 169, 1115-1126.	1.1	194
16	Characterization and mapping of sleep-waking specific neurons in the basal forebrain and preoptic hypothalamus in mice. <i>Neuroscience</i> , 2009, 161, 269-292.	1.1	116
17	Neuronal activity of orexin and non-orexin waking-active neurons during wake-sleep states in the mouse. <i>Neuroscience</i> , 2008, 153, 860-870.	1.1	211
18	Electrophysiological studies on serotonergic neurons and sleep. , 2008, , 205-236.		4

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19	A potent non-monoaminergic paradoxical sleep inhibitory system: a reverse microdialysis and single-unit recording study. <i>European Journal of Neuroscience</i> , 2006, 24, 1404-1412.	1.2	56
20	Neuronal Activity of Histaminergic Tubero-mammillary Neurons During Wake-Sleep States in the Mouse. <i>Journal of Neuroscience</i> , 2006, 26, 10292-10298.	1.7	288
21	Role of the locus coeruleus in the control of paradoxical sleep generation in the cat. <i>Archives Italiennes De Biologie</i> , 2004, 142, 421-7.	0.1	9
22	The polymorphism of manganese superoxide dismutase is associated with diabetic nephropathy in Japanese type 2 diabetic patients. <i>Journal of Human Genetics</i> , 2003, 48, 0138-0141.	1.1	95
23	A neural mechanism of sleep and wakefulness. <i>Sleep and Biological Rhythms</i> , 2003, 1, 29-42.	0.5	44
24	Differentiation of presumed serotonergic dorsal raphe neurons in relation to behavior and wake-sleep states. <i>Neuroscience</i> , 2001, 104, 1141-1155.	1.1	127
25	Increase in antidromic excitability in presumed serotonergic dorsal raphe neurons during paradoxical sleep in the cat. <i>Brain Research</i> , 2001, 898, 332-341.	1.1	10
26	Role of dorsal raphe neurons in paradoxical sleep generation in the cat: no evidence for a serotonergic mechanism. <i>European Journal of Neuroscience</i> , 2001, 13, 103-112.	1.2	22
27	Role of dorsal raphe neurons in paradoxical sleep generation in the cat: no evidence for a serotonergic mechanism. <i>European Journal of Neuroscience</i> , 2001, 13, 103-112.	1.2	30
28	Pontine structures and mechanisms involved in the generation of paradoxical (REM) sleep. <i>Archives Italiennes De Biologie</i> , 2001, 139, 93-107.	0.1	95
29	Effects of pH Variation and NaCl on In Vitro Digestibility of Cow's Milk Proteins in Commercially Available Infant Formulas. <i>Journal of Nutritional Science and Vitaminology</i> , 2000, 46, 325-328.	0.2	23
30	Serotonergic dorsal raphe neurons cease firing by disfacilitation during paradoxical sleep. <i>NeuroReport</i> , 2000, 11, 3237-3241.	0.6	78
31	Role of the Lateral Preoptic Area in Sleep-Related Erectile Mechanisms and Sleep Generation in the Rat. <i>Journal of Neuroscience</i> , 2000, 20, 6640-6647.	1.7	85
32	Modulation of presumed cholinergic mesopontine tegmental neurons by acetylcholine and monoamines applied iontophoretically in unanesthetized cats. <i>Neuroscience</i> , 2000, 96, 723-733.	1.1	50
33	Effects of microdialysis application of monoamines on the EEG and behavioural states in the cat mesopontine tegmentum. <i>European Journal of Neuroscience</i> , 1999, 11, 3738-3752.	1.2	82
34	Comparison of p53, Ki-67, and CD44v6 Expression between Primary and Matched Metastatic Lesions in Ovarian Cancer. <i>Gynecologic Oncology</i> , 1999, 72, 360-366.	0.6	16
35	Fluid Shear Stress Increases Interleukin-11 Expression in Human Osteoblast-like Cells: Its Role in Osteoclast Induction. <i>Journal of Bone and Mineral Research</i> , 1999, 14, 2089-2098.	3.1	29
36	Are there non-monoaminergic paradoxical sleep-off neurons in the brainstem?. <i>Sleep Research Online: SRO</i> , 1999, 2, 57-63.	0.1	2

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37	Fluid Shear Stress Increases Transforming Growth Factor Beta 1 Expression in Human Osteoblast-like Cells: Modulation by Cation Channel Blockades. <i>Calcified Tissue International</i> , 1998, 63, 515-520.	1.5	103
38	Substance P receptor (NK1) gene expression in synovial tissue in rheumatoid arthritis and osteoarthritis. <i>Scandinavian Journal of Rheumatology</i> , 1998, 27, 135-141.	0.6	32
39	Effects of an inhibitor of protein kinases on the response to heat treatment in cultured mammalian cells. <i>International Journal of Hyperthermia</i> , 1997, 13, 535-545.	1.1	6
40	Relationship between Pelvic Lymph Node Involvement and Other Disease Sites in Patients with Ovarian Cancer. <i>Gynecologic Oncology</i> , 1997, 65, 164-168.	0.6	33
41	Critical Role for M3Muscarinic Receptors in Paradoxical Sleep Generation in the Cat. <i>European Journal of Neuroscience</i> , 1997, 9, 415-423.	1.2	34
42	Preferential activation of different I waves by transcranial magnetic stimulation with a figure-of-eight-shaped coil. <i>Experimental Brain Research</i> , 1997, 113, 24-32.	0.7	337
43	Are there cholinergic and non-cholinergic paradoxical sleep-on neurones in the pons?. <i>NeuroReport</i> , 1996, 7, 2449-2454.	0.6	109
44	Immunohistochemical localization of surfactant protein A in N-bis (2-hydroxypropyl) nitrosamine-induced lung tumors in rats. <i>The Tokushima Journal of Experimental Medicine</i> , 1996, 43, 55-9.	0.1	0
45	Kainate receptors. <i>NeuroReport</i> , 1995, 6, 353-356.	0.6	163
46	Functional Mapping of the Human Somatosensory Cortex with Echo-Planar MRI. <i>Magnetic Resonance in Medicine</i> , 1995, 33, 736-743.	1.9	80
47	Functional mapping of the human colour centre with echo-planar magnetic resonance imaging. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 1995, 261, 89-98.	1.2	96
48	Effects of decerebration on blood pressure during paradoxical sleep in cats. <i>Brain Research Bulletin</i> , 1995, 37, 545-549.	1.4	19
49	Venous distensibility during pregnancy. Comparisons between normal pregnancy and preeclampsia.. <i>Hypertension</i> , 1994, 24, 461-466.	1.3	62
50	Long-term variations of arterial blood pressure during sleep in freely moving cats. <i>Physiology and Behavior</i> , 1994, 55, 673-679.	1.0	25
51	Sendai virus infection changes the subcellular localization of tryptase Clara in rat bronchiolar epithelial cells. <i>European Respiratory Journal</i> , 1994, 7, 686-692.	3.1	24
52	Neuronal tuning to learned complex forms in vision. <i>NeuroReport</i> , 1994, 5, 829-832.	0.6	60
53	A non-glycosylated form of pulmonary surfactant protein A appears in rat amniotic fluid. <i>European Respiratory Journal</i> , 1994, 7, 88-93.	3.1	3
54	Neuronal tuning and associative mechanisms in form representation. <i>Learning and Memory</i> , 1994, 1, 83-105.	0.5	47

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55	Memory and imagery in the temporal lobe. <i>Current Opinion in Neurobiology</i> , 1993, 3, 166-170.	2.0	49
56	Electron immunohistochemical localization in rat bronchiolar epithelial cells of tryptase Clara, which determines the pneumotropism and pathogenicity of Sendai virus and influenza virus.. <i>Journal of Histochemistry and Cytochemistry</i> , 1993, 41, 89-93.	1.3	34
57	The Interval between the Positive Peak of Premyoclonus Spike and the Onset of Myoclonus Is Shorter than the Cortical Latency in Cortical Myoclonus. <i>European Neurology</i> , 1993, 33, 83-89.	0.6	7
58	How blood viscosity influences changes in circulation during pregnancy?. <i>Fukuoka Acta Medica</i> , 1992, 83, 328-32.	0.1	1
59	Heterogeneity of immunohistochemical staining with pulmonary surfactant protein A among fractionated alveolar macrophages which involves metabolism of pulmonary surfactant. <i>Cellular and Molecular Biology</i> , 1992, 38, 853-60.	0.3	1
60	Effects of pulmonary surfactant and surfactant protein A on phagocytosis of fractionated alveolar macrophages: relationship to starvation. , 1992, 38, 123-30.		3
61	Carbachol microinjections in the mediodorsal pontine tegmentum are unable to induce paradoxical sleep after caudal pontine and prebulbar transections in the cat. <i>Neuroscience Letters</i> , 1991, 130, 41-45.	1.0	48
62	Neural organization for the long-term memory of paired associates. <i>Nature</i> , 1991, 354, 152-155.	13.7	795
63	Physiological properties and afferent connections of the locus coeruleus and adjacent tegmental neurons involved in the generation of paradoxical sleep in the cat. <i>Progress in Brain Research</i> , 1991, 88, 31-45.	0.9	78
64	Fluorescence demonstration of cathepsin B activity in fractionated alveolar macrophages. , 1991, 37, 353-8.		0
65	Pulmonary surfactant obtained from starved rats enhances phagocytosis of alveolar macrophages. , 1991, 37, 475-80.		1
66	Morphological heterogeneity among fractionated alveolar macrophages in their release of lysosomal enzymes. , 1991, 37, 85-94.		1
67	Responses of presumed cholinergic mesopontine tegmental neurons to carbachol microinjections in freely moving cats. <i>Experimental Brain Research</i> , 1990, 83, 115-123.	0.7	131
68	Nuclei of origin of monoaminergic, peptidergic, and cholinergic afferents to the cat trigeminal motor nucleus: A double-labeling study with cholera-toxin as a retrograde tracer. <i>Journal of Comparative Neurology</i> , 1990, 301, 262-275.	0.9	96
69	Lower brainstem afferents to the cat posterior hypothalamus: A double-labeling study. <i>Brain Research Bulletin</i> , 1990, 24, 437-455.	1.4	78
70	Catecholaminergic afferents to the cat median eminence as determined by double-labelling methods. <i>Neuroscience</i> , 1990, 36, 491-505.	1.1	9
71	Inhibition of carbachol microinjections of presumptive cholinergic PGO-on neurons in freely moving cats. <i>Brain Research</i> , 1990, 527, 213-223.	1.1	178
72	Unitary characteristics of presumptive cholinergic tegmental neurons during the sleep-waking cycle in freely moving cats. <i>Experimental Brain Research</i> , 1989, 76, 519-529.	0.7	350

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73	Forebrain afferents to the cat posterior hypothalamus: A double labeling study. Brain Research Bulletin, 1989, 23, 83-104.	1.4	38
74	Methotrexate-resistant mechanisms in human choriocarcinoma cells. Gynecologic Oncology, 1989, 34, 7-11.	0.6	7
75	A critical role of the posterior hypothalamus in the mechanisms of wakefulness determined by microinjection of muscimol in freely moving cats. Brain Research, 1989, 479, 225-240.	1.1	305
76	Mapping of cholinceptive brainstem structures responsible for the generation of paradoxical sleep in the cat. Archives Italiennes De Biologie, 1989, 127, 133-64.	0.1	199
77	The Nuclei of origin of monoaminergic, peptidergic, and cholinergic afferents to the cat nucleus reticularis magnocellularis: A double-labeling study with cholera toxin as a retrograde tracer. Journal of Comparative Neurology, 1988, 277, 1-20.	0.9	199
78	Increase in copy number of N-myc in retinoblastomas in comparison with chromosome abnormality. Cancer Genetics and Cytogenetics, 1988, 30, 119-126.	1.0	14
79	A case report of fulminant amebic colitis.. Nihon Daicho Komonbyo Gakkai Zasshi, 1988, 41, 836-841.	0.1	0
80	Executive mechanisms of paradoxical sleep. Archives Italiennes De Biologie, 1988, 126, 239-57.	0.1	117
81	Affinity Labeling of the Allosteric Site of Fructose 1,6-Bisphosphatase with an AMP Analog. Journal of Biochemistry, 1987, 102, 377-384.	0.9	1
82	Periventricular dopaminergic neurons terminating in the neuro-intermediate lobe of the cat hypophysis. Journal of Comparative Neurology, 1986, 244, 204-212.	0.9	33
83	Bulbo-thalamic neurons related to thalamocortical activation processes during paradoxical sleep. Experimental Brain Research, 1984, 54, 463-75.	0.7	231
84	Central Mechanisms of Paradoxical Sleep. Experimental Brain Research Supplementum, 1984, , 3-18.	1.0	26
85	Removal of Plasma Low Density Lipoprotein by Adsorption Chromatography with Porous Glass. The Journal of Japan Atherosclerosis Society, 1982, 10, 929-934.	0.0	0
86	Neuronal activity specific to paradoxical sleep in the ventromedial medullary reticular formation of unrestrained cats. Brain Research, 1980, 189, 251-255.	1.1	322
87	Brain stem PGO-on cells projecting directly to the cat dorsal lateral geniculate nucleus. Brain Research, 1980, 194, 500-505.	1.1	230
88	Spinal projections from the lower brain stem in the cat as demonstrated by the horseradish peroxidase technique. I. Origins of the reticulospinal tracts and their funicular trajectories. Brain Research, 1979, 173, 383-403.	1.1	224
89	Discharge patterns of the nucleus parabrachialis lateralis neurons of the cat during sleep and waking. Brain Research, 1977, 134, 59-72.	1.1	179
90	Evidence for the presence of eye movement potentials during paradoxical sleep in cats. Electroencephalography and Clinical Neurophysiology, 1976, 41, 37-48.	0.3	32