Akihiro Yamanaka

List of Publications by Year
in descending order

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185 papers	10,705 citations	38742 50 h-index	36028 97 g-index
210 all docs	210 docs citations	210 times ranked	9157 citing authors

#	Article	IF	Citations
1	Involvement of A5/A7 noradrenergic neurons and B2 serotonergic neurons in nociceptive processing: a fiber photometry study. Neural Regeneration Research, 2022, 17, 881.	3.0	4
2	Hypocretin/Orexin Interactions with Norepinephrine Contribute to the Opiate Withdrawal Syndrome. Journal of Neuroscience, 2022, 42, 255-263.	3.6	12
3	Relief of neuropathic pain by cell-specific manipulation of nucleus accumbens dopamine D1- and D2-receptor-expressing neurons. Molecular Brain, 2022, 15, 10.	2.6	14
4	Dynamic changes in orexin activities associated with reward-based motivative behavior. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2022, 95, 1-SS-08.	0.0	0
5	The development of sleep/wake disruption and cataplexy as hypocretin/orexin neurons degenerate in male vs. female Orexin/tTA; TetO-DTA Mice. Sleep, 2022, 45, .	1.1	6
6	Tumor suppression and improvement in immune systems by specific activation of dopamine D1-receptor-expressing neurons in the nucleus accumbens. Molecular Brain, 2022, 15, 17.	2.6	5
7	Activity of putative orexin neurons during cataplexy. Molecular Brain, 2022, 15, 21.	2.6	7
8	Claustrum mediates bidirectional and reversible control of stress-induced anxiety responses. Science Advances, 2022, 8, eabi6375.	10.3	27
9	Functional Interaction Between GABAergic Neurons in the Ventral Tegmental Area and Serotonergic Neurons in the Dorsal Raphe Nucleus. Frontiers in Neuroscience, 2022, 16, .	2.8	3
10	A gradual temporal shift of dopamine responses mirrors the progression of temporal difference error in machine learning. Nature Neuroscience, 2022, 25, 1082-1092.	14.8	32
11	Accumbal D2R-medium spiny neurons regulate aversive behaviors through PKA-Rap1 pathway. Neurochemistry International, 2021, 143, 104935.	3.8	14
12	Direct evidence that the brain reward system is involved in the control of scratching behaviors induced by acute and chronic itch. Biochemical and Biophysical Research Communications, 2021, 534, 624-631.	2.1	11
13	Animal models of narcolepsy and the hypocretin/orexin system: Past, present, and future. Sleep, 2021, 44, .	1.1	14
14	Fiberless Optogenetics. Advances in Experimental Medicine and Biology, 2021, 1293, 407-416.	1.6	2
15	Involvement of MCH-oxytocin neural relay within the hypothalamus in murine nursing behavior. Scientific Reports, 2021, 11, 3348.	3.3	8
16	Bioprinting 3D human cardiac tissue chips using the pin type printer â€˜microscopic painting deviceâ€™ and analysis for cardiotoxicity. Biomedical Materials (Bristol), 2021, 16, 025017.	3.3	7
17	The Impacts of Age and Sex in a Mouse Model of Childhood Narcolepsy. Frontiers in Neuroscience, 2021, 15, 644757.	2.8	11
18	Melaninâ€concentrating hormoneâ€producing neurons in the hypothalamus regulate brown adipose tissue and thus contribute to energy expenditure. Journal of Physiology, 2021, , .	2.9	10

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19	001 Exploring the Orexin-tTA/TetO-DTA Mouse as a Model for Pediatric Narcolepsy. Sleep, 2021, 44, A1-A1.	1.1	0
20	Aversive emotion rapidly activates orexin neurons and increases heart rate in freely moving mice. Molecular Brain, 2021, 14, 104.	2.6	13
21	Disruption of model-based decision making by silencing of serotonin neurons in the dorsal raphe nucleus. Current Biology, 2021, 31, 2446-2454.e5.	3.9	16
22	Remote control of neural function by X-ray-induced scintillation. Nature Communications, 2021, 12, 4478.	12.8	50
23	Optogenetic activation of DRN 5-HT neurons induced active wakefulness, not quiet wakefulness. Brain Research Bulletin, 2021, 177, 129-142.	3.0	11
24	Hypothalamic perifornical Urocortin-3 neurons modulate defensive responses to a potential threat stimulus. IScience, 2021, 24, 101908.	4.1	7
25	GI-SleepNet: A Highly Versatile Image-Based Sleep Classification Using a Deep Learning Algorithm. Clocks & Sleep, 2021, 3, 581-597.	2.0	2
26	Downstream projection of Barringtonâ€™s nucleus to the spinal cord in mice. Journal of Neurophysiology, 2021, 126, 1959-1977.	1.8	6
27	Conditional Knockout of Bmal1 in Corticotropin-Releasing Factor Neurons Does Not Alter Sleepâ€“Wake Rhythm in Mice. Frontiers in Neuroscience, 2021, 15, 808754.	2.8	2
28	Glutamatergic neurons in the medial prefrontal cortex mediate the formation and retrieval of cocaineâ€associated memories in mice. Addiction Biology, 2020, 25, e12723.	2.6	28
29	Different roles of distinct serotonergic pathways in anxiety-like behavior, antidepressant-like, and anti-impulsive effects. Neuropharmacology, 2020, 167, 107703.	4.1	53
30	Opposing Ventral Striatal Medium Spiny Neuron Activities Shaped by Striatal Parvalbumin-Expressing Interneurons during Goal-Directed Behaviors. Cell Reports, 2020, 31, 107829.	6.4	13
31	Serotonergic projections to the orbitofrontal and medial prefrontal cortices differentially modulate waiting for future rewards. Science Advances, 2020, 6, .	10.3	30
32	Green-Sensitive, Long-Lived, Step-Functional Anion Channelrhodopsin-2 Variant as a High-Potential Neural Silencing Tool. Journal of Physical Chemistry Letters, 2020, 11, 6214-6218.	4.6	17
33	Identification of substances which regulate activity of corticotropin-releasing factor-producing neurons in the paraventricular nucleus of the hypothalamus. Scientific Reports, 2020, 10, 13639.	3.3	11
34	The mammalian circadian pacemaker regulates wakefulness via CRF neurons in the paraventricular nucleus of the hypothalamus. Science Advances, 2020, 6, .	10.3	51
35	Roles of orexin neurons in motivated behaviors in rats. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2020, 93, 2-P-166.	0.0	0
36	VGLUT2-expressing neurons in the vestibular nuclear complex mediate gravitational stress-induced hypothermia in mice. Communications Biology, 2020, 3, 227.	4.4	6

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37	Light-induced silencing of neural activity in Rosa26 knock-in and BAC transgenic mice conditionally expressing the microbial halorhodopsin eNpHR3. Scientific Reports, 2020, 10, 3191.	3.3	5
38	Acute restraint stress augments the rewarding memory of cocaine through activation of Î±1 adrenoceptors in the medial prefrontal cortex of mice. Neuropharmacology, 2020, 166, 107968.	4.1	12
39	Involvement of supralemniscal nucleus (B9) 5-HT neuronal system in nociceptive processing: a fiber photometry study. Molecular Brain, 2020, 13, 14.	2.6	6
40	The Role of Dorsal Raphe Serotonin Neurons in the Balance between Reward and Aversion. International Journal of Molecular Sciences, 2020, 21, 2160.	4.1	29
41	Orexin signaling in GABAergic lateral habenula neurons modulates aggressive behavior in male mice. Nature Neuroscience, 2020, 23, 638-650.	14.8	98
42	Involvement of A13 dopaminergic neurons located in the zona incerta in nociceptive processing: a fiber photometry study. Molecular Brain, 2020, 13, 60.	2.6	10
43	Dual orexin and MCH neuron-ablated mice display severe sleep attacks and cataplexy. ELife, 2020, 9, .	6.0	20
44	Functional emergence of a column-like architecture in layer 5 of mouse somatosensory cortex in vivo. Journal of Physiological Sciences, 2019, 69, 65-77.	2.1	2
45	Threeâ€dimensional bioprinting human cardiac tissue chips of using a painting needle method. Biotechnology and Bioengineering, 2019, 116, 3136-3142.	3.3	23
46	Thinâ€fibre receptors expressing acidâ€sensing ion channel 3 contribute to muscular mechanical hypersensitivity after exercise. European Journal of Pain, 2019, 23, 1801-1813.	2.8	11
47	GABA in the suprachiasmatic nucleus refines circadian output rhythms in mice. Communications Biology, 2019, 2, 232.	4.4	43
48	Orbital evolution of a circumbinary planet in a gaseous disk. Earth, Planets and Space, 2019, 71, .	2.5	2
49	REM sleepâ€“active MCH neurons are involved in forgetting hippocampus-dependent memories. Science, 2019, 365, 1308-1313.	12.6	138
50	Mechanical allodynia induced by optogenetic sensory nerve excitation activates dopamine signaling and metabolism in medial nucleus accumbens. Neurochemistry International, 2019, 129, 104494.	3.8	9
51	Quantitation of the neural silencing activity of anion channelrhodopsins in Caenorhabditis elegans and their applicability for long-term illumination. Scientific Reports, 2019, 9, 7863.	3.3	7
52	Acute nociceptive stimuli rapidly induce the activity of serotonin and noradrenalin neurons in the brain stem of awake mice. IBRO Reports, 2019, 7, 1-9.	0.3	13
53	CRISPR/Cas9-mediated in vivo gene editing reveals that neuronal 5-HT1A receptors in the dorsal raphe nucleus contribute to body temperature regulation in mice. Brain Research, 2019, 1719, 243-252.	2.2	7
54	Upconversion amplification through dielectric superlensing modulation. Nature Communications, 2019, 10, 1391.	12.8	114

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55	Opposing Roles of Dopamine Receptor D1- and D2-Expressing Neurons in the Anteromedial Olfactory Tubercle in Acquisition of Place Preference in Mice. Frontiers in Behavioral Neuroscience, 2019, 13, 50.	2.0	18
56	Preproenkephalin-expressing ventral pallidal neurons control inhibitory avoidance learning. Neurochemistry International, 2019, 126, 11-18.	3.8	8
57	Transgenic Archaerhodopsin-3 Expression in Hypocretin/Orexin Neurons Engenders Cellular Dysfunction and Features of Type 2 Narcolepsy. Journal of Neuroscience, 2019, 39, 9435-9452.	3.6	12
58	Dissociating orexin-dependent and -independent functions of orexin neurons using novel Orexin-Flp knock-in mice. ELife, 2019, 8, .	6.0	21
59	GABA neurons in the ventral tegmental area regulate non-rapid eye movement sleep in mice. ELife, 2019, 8, .	6.0	53
60	Functional identification of neurons regulate sleep and wakefulness. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2019, 92, 3-S24-1.	0.0	0
61	Involvement of orexin neurons in fasting- and central adenosine-induced hypothermia. Scientific Reports, 2018, 8, 2717.	3.3	24
62	Oxytocinâ€“Oxytocin Receptor Systems Facilitate Social Defeat Posture in Male Mice. Endocrinology, 2018, 159, 763-775.	2.8	55
63	Effect of ghrelin on the motor deficit caused by the ablation of nigrostriatal dopaminergic cells or the inhibition of striatal dopamine receptors. Biochemical and Biophysical Research Communications, 2018, 496, 1102-1108.	2.1	6
64	Activation of ventral tegmental area dopaminergic neurons reverses pathological allodynia resulting from nerve injury or bone cancer. Molecular Pain, 2018, 14, 174480691875640.	2.1	57
65	Extracellular N-acetylaspartylglutamate released in the nucleus accumbens modulates the pain sensation: Analysis using a microdialysis/mass spectrometry integrated system. Molecular Pain, 2018, 14, 174480691875493.	2.1	12
66	Role of GABA in the regulation of the central circadian clock of the suprachiasmatic nucleus. Journal of Physiological Sciences, 2018, 68, 333-343.	2.1	54
67	Sex differences in olfactory-induced neural activation of the amygdala. Behavioural Brain Research, 2018, 346, 96-104.	2.2	13
68	Wheel Slip Suppression Control Method Using Traction Motor Current Information of EMUs Driven by Multiple Traction Motors without Speed Sensors. , 2018, , .		2
69	Neuronal SIRT1 regulates macronutrient-based diet selection through FGF21 and oxytocin signalling in mice. Nature Communications, 2018, 9, 4604.	12.8	46
70	Reward probability and timing uncertainty alter the effect of dorsal raphe serotonin neurons on patience. Nature Communications, 2018, 9, 2048.	12.8	54
71	Opiates increase the number of hypocretin-producing cells in human and mouse brain and reverse cataplexy in a mouse model of narcolepsy. Science Translational Medicine, 2018, 10, .	12.4	90
72	Acute Aversive Stimuli Rapidly Increase the Activity of Ventral Tegmental Area Dopamine Neurons in Awake Mice. Neuroscience, 2018, 386, 16-23.	2.3	28

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73	Inactivation of Serotonergic Neurons in the Rostral Medullary RaphÃ© Attenuates Stress-Induced Tachypnea and Tachycardia in Mice. Frontiers in Physiology, 2018, 9, 832.	2.8	16
74	Anatomical Evidence for a Direct Projection from Purkinje Cells in the Mouse Cerebellar Vermis to Medial Parabrachial Nucleus. Frontiers in Neural Circuits, 2018, 12, 6.	2.8	31
75	Calcium Transient Dynamics of Neural Ensembles in the Primary Motor Cortex of Naturally Behaving Monkeys. Cell Reports, 2018, 24, 2191-2195.e4.	6.4	57
76	Partial ablation of the orexin field induces a sub-narcoleptic phenotype in a conditional mouse model of orexin neurodegeneration. Sleep, 2018, 41, .	1.1	11
77	Parallel Arousal Pathways in the Lateral Hypothalamus. ENeuro, 2018, 5, ENEURO.0228-18.2018.	1.9	13
78	Activation of hypothalamic Î¼-opioidergic system enhances the anti-tumor immune response. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2018, WCP2018, PO4-1-30.	0.0	0
79	Distinct serotonergic systems regulate anxiety, depression, and impulsivity. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2018, WCP2018, OR6-1.	0.0	0
80	Challenges in the development of therapeutics for narcolepsy. Progress in Neurobiology, 2017, 152, 89-113.	5.7	45
81	Optogenetic identification of hypothalamic orexin neuron projections to paraventricular spinally projecting neurons. American Journal of Physiology - Heart and Circulatory Physiology, 2017, 312, H808-H817.	3.2	17
82	Lateral hypothalamic circuits for sleepâ€“wake control. Current Opinion in Neurobiology, 2017, 44, 94-100.	4.2	56
83	Hypothalamic regulation of the sleep/wake cycle. Neuroscience Research, 2017, 118, 74-81.	1.9	51
84	Muscular mechanical hyperalgesia after lengthening contractions in rats depends on stretch velocity and range of motion. European Journal of Pain, 2017, 21, 125-139.	2.8	24
85	Generation of Heterogeneous Nucleus in Carbon Steel during Solidification by Magnesium Vapor Injected. Tetsu-To-Hagane/Journal of the Iron and Steel Institute of Japan, 2017, 103, 12-18.	0.4	0
86	Generation of Heterogeneous Nucleus in Carbon Steel during Solidification by Magnesium Vapor Injection. ISIJ International, 2016, 56, 1420-1426.	1.4	4
87	Involvement of mesolimbic dopaminergic network in neuropathic pain relief by treadmill exercise. Molecular Pain, 2016, 12, 174480691668156.	2.1	37
88	Hypoxia and hypercapnia inhibit hypothalamic orexin neurons in rats. Journal of Neurophysiology, 2016, 116, 2250-2259.	1.8	19
89	The integrative role of orexin/hypocretin neurons in nociceptive perception and analgesic regulation. Scientific Reports, 2016, 6, 29480.	3.3	92
90	Top-down cortical input during NREM sleep consolidates perceptual memory. Science, 2016, 352, 1315-1318.	12.6	120

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91	Direct projections from hypothalamic orexin neurons to brainstem cardiac vagal neurons. Neuroscience, 2016, 339, 47-53.	2.3	21
92	Optogenetic activation of serotonergic terminals facilitates GABAergic inhibitory input to orexin/hypocretin neurons. Scientific Reports, 2016, 6, 36039.	3.3	34
93	Progressive Loss of the Orexin Neurons Reveals Dual Effects on Wakefulness. Sleep, 2016, 39, 369-377.	1.1	39
94	Near-infrared (NIR) up-conversion optogenetics. Scientific Reports, 2015, 5, 16533.	3.3	109
95	A Top-Down Cortical Circuit for Accurate Sensory Perception. Neuron, 2015, 86, 1304-1316.	8.1	308
96	Atomistic design of microbial opsin-based blue-shifted optogenetics tools. Nature Communications, 2015, 6, 7177.	12.8	78
97	TRPV4 activation at the physiological temperature is a critical determinant of neuronal excitability and behavior. Pflugers Archiv European Journal of Physiology, 2015, 467, 2495-2507.	2.8	66
98	How genetically engineered systems are helping to define, and in some cases redefine, the neurobiological basis of sleep and wake. Temperature, 2015, 2, 406-417.	3.0	10
99	Theory of Spin-State Selective Nonlocal Screening in Co 2p X-ray Photoemission Spectrum of LaCoO₃. Journal of the Physical Society of Japan, 2015, 84, 073706.	1.6	26
100	Insular neural system controls decision-making in healthy and methamphetamine-treated rats. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E3930-9.	7.1	40
101	Peripheral and spinal mechanisms of nociception in a rat reserpine-induced pain model. Pain, 2015, 156, 415-427.	4.2	55
102	Neuronal Heterotopias Affect the Activities of Distant Brain Areas and Lead to Behavioral Deficits. Journal of Neuroscience, 2015, 35, 12432-12445.	3.6	36
103	Elucidation of Neuronal Circuitry Involved in the Regulation of Sleep/Wakefulness Using Optogenetics. , 2015, , 249-263.		0
104	Elucidation of Neuronal Circuitry Involved in the Regulation of Sleep/Wakefulness Using Optogenetics. , 2015, , 81-92.		0
105	Neuroscientific Frontline of Optogenetics. , 2015, , 241-248.		2
106	Influence of Mold Flux on Initial Solidification of Hypo-Peritectic Steel in A Continuous Casting Mold. Tetsu-To-Hagane/Journal of the Iron and Steel Institute of Japan, 2014, 100, 581-590.	0.4	13
107	Conditional Ablation of Orexin/Hypocretin Neurons: A New Mouse Model for the Study of Narcolepsy and Orexin System Function. Journal of Neuroscience, 2014, 34, 6495-6509.	3.6	181
108	Modulation of water efflux through functional interaction between TRPV4 and TMEM16A/anoctamin 1. FASEB Journal, 2014, 28, 2238-2248.	0.5	90

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109	Optogenetic Manipulation of Activity and Temporally Controlled Cell-Specific Ablation Reveal a Role for MCH Neurons in Sleep/Wake Regulation. Journal of Neuroscience, 2014, 34, 6896-6909.	3.6	187
110	Optogenetic activation of serotonergic neurons enhances anxiety-like behaviour in mice. International Journal of Neuropsychopharmacology, 2014, 17, 1777-1783.	2.1	87
111	GABA_BAgonism Promotes Sleep and Reduces Cataplexy in Murine Narcolepsy. Journal of Neuroscience, 2014, 34, 6485-6494.	3.6	56
112	Concurrent and robust regulation of feeding behaviors and metabolism by orexin neurons. Neuropharmacology, 2014, 85, 451-460.	4.1	113
113	Optogenetic Activation of Dorsal Raphe Serotonin Neurons Enhances Patience for Future Rewards. Current Biology, 2014, 24, 2033-2040.	3.9	200
114	Optogenetic Countering of Glial Acidosis Suppresses Glial Glutamate Release and Ischemic Brain Damage. Neuron, 2014, 81, 314-320.	8.1	154
115	Generation Mechanism of Center Cavity in High-Cr Steel Cast. Tetsu-To-Hagane/Journal of the Iron and Steel Institute of Japan, 2014, 100, 610-615.	0.4	0
116	Ectopic expression of melanopsin in orexin/hypocretin neurons enables control of wakefulness of mice in vivo by blue light. Neuroscience Research, 2013, 75, 23-28.	1.9	37
117	Long-lasting silencing of orexin/hypocretin neurons using archaerhodopsin induces slow-wave sleep in mice. Behavioural Brain Research, 2013, 255, 64-74.	2.2	117
118	Nociception originating from the crural fascia in rats. Pain, 2013, 154, 1103-1114.	4.2	51
119	The manipulation of neural and cellular activities by ectopic expression of melanopsin. Neuroscience Research, 2013, 75, 3-5.	1.9	27
120	Light-induced silencing of neural activity in Rosa26 knock-in mice conditionally expressing the microbial halorhodopsin eNpHR2.0. Neuroscience Research, 2013, 75, 53-58.	1.9	10
121	The physiological role of orexin/hypocretin neurons in the regulation of sleep/wakefulness and neuroendocrine functions. Frontiers in Endocrinology, 2013, 4, 18.	3.5	142
122	Influence of Inhibitory Serotonergic Inputs to Orexin/Hypocretin Neurons on the Diurnal Rhythm of Sleep and Wakefulness. Sleep, 2013, 36, 1391-1404.	1.1	42
123	Chronic Alterations in Monoaminergic Cells in the Locus Coeruleus in Orexin Neuron-Ablated Narcoleptic Mice. PLoS ONE, 2013, 8, e70012.	2.5	17
124	Control of Sleep/Wakefulness by Using Optogenetics for Study of Sleep Disease. The Review of Laser Engineering, 2013, 41, 92.	0.0	0
125	The regulation of sleep and wakefulness by the hypothalamic neuropeptide orexin/hypocretin. Nagoya Journal of Medical Science, 2013, 75, 29-36.	0.3	27
126	The Role of Orexin/Hypocretin in the Central Nervous System and Peripheral Tissues. Vitamins and Hormones, 2012, 89, 19-33.	1.7	43

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127	1SH-04 Optogenetics reveals function of neural network involved in the regulation of sleep/wakefulness(1SH Retinal proteins and optgenetics,Symposium,The 50th Annual Meeting of the) Tj ETQq1 1 0.784314 rgBT /Ov		
128	Expanding the Repertoire of Optogenetically Targeted Cells with an Enhanced Gene Expression System. Cell Reports, 2012, 2, 397-406.	6.4	159
129	Influence of Mold Flux on Initial Solidification of Hypo-Peritectic Steel in a Continuous Casting Mold. ISIJ International, 2012, 52, 1310-1319.	1.4	67
130	Prediction of Solid-liquid Interfacial Energy of Steel during Solidification and Control of Dendrite Arm Spacing. ISIJ International, 2012, 52, 2235-2244.	1.4	8
131	Manipulation of neuronal activity by ectopic expression of melanopsin. Neuroscience Research, 2011, 71, e25.	1.9	0
132	Alterations in noradrenergic neurons in orexin neuron-deficient mice. Neuroscience Research, 2011, 71, e170.	1.9	0
133	Prediction of Solidâ€“Liquid Interfacial Energy of Steel during Solidification and Control of Dendrite Arm Spacing. Tetsu-To-Hagane/Journal of the Iron and Steel Institute of Japan, 2011, 97, 457-466.	0.4	8
134	Neuropeptide B Induces Slow Wave Sleep in Mice. Sleep, 2011, 34, 31-37.	1.1	15
135	Acute Optogenetic Silencing of Orexin/Hypocretin Neurons Induces Slow-Wave Sleep in Mice. Journal of Neuroscience, 2011, 31, 10529-10539.	3.6	235
136	Generation Mechanism of Unevenness of Ultra Low Carbon Steel at Initial Stage of Solidification. ISIJ International, 2010, 50, 435-444.	1.4	16
137	New Approaches for the Study of Orexin Function. Journal of Neuroendocrinology, 2010, 22, 818-824.	2.6	12
138	Activation of Polycystic Kidney Disease-2-like 1 (PKD2L1)-PKD1L3 Complex by Acid in Mouse Taste Cells. Journal of Biological Chemistry, 2010, 285, 17277-17281.	3.4	45
139	Orexin Directly Excites Orexin Neurons through Orexin 2 Receptor. Journal of Neuroscience, 2010, 30, 12642-12652.	3.6	96
140	Involvement of TRPV2 Activation in Intestinal Movement through Nitric Oxide Production in Mice. Journal of Neuroscience, 2010, 30, 16536-16544.	3.6	75
141	Alterations in monoaminergic neurons in orexin neuron-ablated mice. Neuroscience Research, 2009, 65, S230.	1.9	0
142	Growth of Solidified Shell Just below the Meniscus in Continuous Casting Mold. ISIJ International, 2009, 49, 365-374.	1.4	46
143	Vasopressin Increases Locomotion through a V1a Receptor in Orexin/Hypocretin Neurons: Implications for Water Homeostasis. Journal of Neuroscience, 2008, 28, 228-238.	3.6	60
144	Generation Mechanism of Unevenness of Ultra Low Carbon Steel at Initial Stage of Solidification. Tetsu-To-Hagane/Journal of the Iron and Steel Institute of Japan, 2008, 94, 507-516.	0.4	8

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145	Hypocretin/orexin and nociceptin/orphanin FQ coordinately regulate analgesia in a mouse model of stress-induced analgesia. Journal of Clinical Investigation, 2008, 118, 2471-81.	8.2	71
146	Orexin Neurons Are Directly and Indirectly Regulated by Catecholamines in a Complex Manner. Journal of Neurophysiology, 2006, 96, 284-298.	1.8	114
147	GABABreceptor-mediated modulation of hypocretin/orexin neurones in mouse hypothalamus. Journal of Physiology, 2006, 574, 399-414.	2.9	87
148	A neuropeptide ligand of the G protein-coupled receptor GPR103 regulates feeding, behavioral arousal, and blood pressure in mice. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 7438-7443.	7.1	158
149	Des-Acyl Ghrelin Induces Food Intake by a Mechanism Independent of the Growth Hormone Secretagogue Receptor. Endocrinology, 2006, 147, 2306-2314.	2.8	334
150	Prediction of Tensile Strength and Elongation of High Alloy Steels during Solidification. ISIJ International, 2006, 46, 1040-1046.	1.4	8
151	Cholecystokinin Activates Orexin/Hypocretin Neurons through the Cholecystokinin A Receptor. Journal of Neuroscience, 2005, 25, 7459-7469.	3.6	133
152	Input of Orexin/Hypocretin Neurons Revealed by a Genetically Encoded Tracer in Mice. Neuron, 2005, 46, 297-308.	8.1	430
153	Input of Orexin/Hypocretin Neurons Revealed by a Genetically Encoded Tracer in Mice. Neuron, 2005, 46, 837.	8.1	2
154	High Temperature Oxide Scale Morphology and Secondary Cooling Property of Cr Bearing Low Alloy Steel. Tetsu-To-Hagane/Journal of the Iron and Steel Institute of Japan, 2004, 90, 237-243.	0.4	1
155	Serotonergic Regulation of the Orexin/Hypocretin Neurons through the 5-HT1A Receptor. Journal of Neuroscience, 2004, 24, 7159-7166.	3.6	184
156	Interaction between the Corticotropin-Releasing Factor System and Hypocretins (Orexins): A Novel Circuit Mediating Stress Response. Journal of Neuroscience, 2004, 24, 11439-11448.	3.6	406
157	Orexins (hypocretins) directly interact with neuropeptide Y, POMC and glucoseâ€responsive neurons to regulate Ca²⁺ signaling in a reciprocal manner to leptin: orexigenic neuronal pathways in the mediobasal hypothalamus. European Journal of Neuroscience, 2004, 19, 1524-1534.	2.6	220
158	Inhibition of orexin-induced wakefulness by pyrilamine, an H1 receptor antagonist. Sleep and Biological Rhythms, 2004, 2, S47-S47.	1.0	0
159	Role of hypothalamic orexin neurons in the regulation of arousal according to energy balance. Sleep and Biological Rhythms, 2004, 2, S57-S57.	1.0	0
160	Regulation of orexin neurons by the monoaminergic and cholinergic systems. Sleep and Biological Rhythms, 2004, 2, S60-S60.	1.0	8
161	Regulation of orexin neurons by the monoaminergic and cholinergic systems. Biochemical and Biophysical Research Communications, 2003, 303, 120-129.	2.1	228
162	Hypothalamic Orexin Neurons Regulate Arousal According to Energy Balance in Mice. Neuron, 2003, 38, 701-713.	8.1	833

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163	Characterization of a family of endogenous neuropeptide ligands for the G protein-coupled receptors GPR7 and GPR8. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 6251-6256.	7.1	183
164	Orexin Receptor Type-1 Couples Exclusively to Pertussis Toxin-Insensitive G-Proteins, While Orexin Receptor Type-2 Couples to Both Pertussis Toxin-Sensitive and -Insensitive G-Proteins. Journal of Pharmacological Sciences, 2003, 92, 259-266.	2.5	155
165	Prevention of Slab Surface Transverse Cracking by Microstructure Control. ISIJ International, 2003, 43, 1742-1750.	1.4	63
166	Prediction of Density of Chromium Steels by Using the Relation Obtained from Sessile Drop Method and Thermodynamic Phase Calculation Data.. ISIJ International, 2003, 43, 63-70.	1.4	4
167	Prediction of Density of Carbon Steels.. ISIJ International, 2002, 42, 375-384.	1.4	26
168	Orexins Activate Histaminergic Neurons via the Orexin 2 Receptor. Biochemical and Biophysical Research Communications, 2002, 290, 1237-1245.	2.1	281
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