Clifford B Saper

List of Publications by Year
in descending order

301 papers	56,672 citations	1231 110 h-index	1152 229 g-index
307 all docs	307 docs citations	307 times ranked	28831 citing authors

#	Article	IF	Citations
1	Narcolepsy in orexin Knockout Mice. Cell, 1999, 98, 437-451.	13.5	2,981
2	Hypothalamic regulation of sleep and circadian rhythms. Nature, 2005, 437, 1257-1263.	13.7	2,285
3	Differential expression of orexin receptors 1 and 2 in the rat brain. Journal of Comparative Neurology, 2001, 435, 6-25.	0.9	1,481
4	The sleep switch: hypothalamic control of sleep and wakefulness. Trends in Neurosciences, 2001, 24, 726-731.	4.2	1,474
5	Sleep State Switching. Neuron, 2010, 68, 1023-1042.	3.8	1,141
6	A putative flipâ€“flop switch for control of REM sleep. Nature, 2006, 441, 589-594.	13.7	1,086
7	From Lesions to Leptin. Neuron, 1999, 22, 221-232.	3.8	1,065
8	The Need to Feed. Neuron, 2002, 36, 199-211.	3.8	993
9	Subnuclear organization of the efferent connections of the parabrachial nucleus in the rat. Brain Research Reviews, 1984, 7, 229-259.	9.1	969
10	Distributions of leptin receptor mRNA isoforms in the rat brain. Journal of Comparative Neurology, 1998, 395, 535-547.	0.9	944
11	Distribution of cholinergic neurons in rat brain: Demonstrated by the immunocytochemical localization of choline acetyltransferase. Journal of Comparative Neurology, 1983, 216, 53-68.	0.9	934
12	Expression of ghrelin receptor mRNA in the rat and the mouse brain. Journal of Comparative Neurology, 2006, 494, 528-548.	0.9	900
13	Connections of the parabrachial nucleus with the nucleus of the solitary tract and the medullary reticular formation in the rat. Journal of Comparative Neurology, 1990, 293, 540-580.	0.9	893
14	Leptin Differentially Regulates NPY and POMC Neurons Projecting to the Lateral Hypothalamic Area. Neuron, 1999, 23, 775-786.	3.8	817
15	Organization of cerebral cortical afferent systems in the rat. II. Magnocellular basal nucleus. Journal of Comparative Neurology, 1984, 222, 313-342.	0.9	807
16	Chemically defined projections linking the mediobasal hypothalamus and the lateral hypothalamic area. Journal of Comparative Neurology, 1998, 402, 442-459.	0.9	783
17	Innervation of Histaminergic Tuberomammillary Neurons by GABAergic and Galaninergic Neurons in the Ventrolateral Preoptic Nucleus of the Rat. Journal of Neuroscience, 1998, 18, 4705-4721.	1.7	741
18	The Î±2-Adrenoceptor Agonist Dexmedetomidine Converges on an Endogenous Sleep-promoting Pathway to Exert Its Sedative Effects. Anesthesiology, 2003, 98, 428-436.	1.3	738

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19	Leptin Activates Hypothalamic CART Neurons Projecting to the Spinal Cord. Neuron, 1998, 21, 1375-1385.	3.8	717
20	Evidence for a viscerotopic sensory representation in the cortex and thalamus in the rat. Journal of Comparative Neurology, 1987, 262, 27-45.	0.9	714
21	Efferent projections of the infralimbic cortex of the rat. Journal of Comparative Neurology, 1991, 308, 249-276.	0.9	709
22	The Central Autonomic Nervous System: Conscious Visceral Perception and Autonomic Pattern Generation. Annual Review of Neuroscience, 2002, 25, 433-469.	5.0	674
23	Leptin Regulation of Neuroendocrine Systems. Frontiers in Neuroendocrinology, 2000, 21, 263-307.	2.5	669
24	Fos Expression in Orexin Neurons Varies with Behavioral State. Journal of Neuroscience, 2001, 21, 1656-1662.	1.7	601
25	Effect of Lesions of the Ventrolateral Preoptic Nucleus on NREM and REM Sleep. Journal of Neuroscience, 2000, 20, 3830-3842.	1.7	563
26	Convergence of autonomic and limbic connections in the insular cortex of the rat. Journal of Comparative Neurology, 1982, 210, 163-173.	0.9	551
27	The Rostromedial Tegmental Nucleus (RMTg),Âa GABAergic Afferent to Midbrain Dopamine Neurons, Encodes Aversive Stimuli and Inhibits Motor Responses. Neuron, 2009, 61, 786-800.	3.8	547
28	Pedunculopontine tegmental nucleus of the rat: Cytoarchitecture, cytochemistry, and some extrapyramidal connections of the mesopontine tegmentum. Journal of Comparative Neurology, 1987, 259, 483-528.	0.9	516
29	Expression of melanocortin 4 receptor mRNA in the central nervous system of the rat. Journal of Comparative Neurology, 2003, 457, 213-235.	0.9	516
30	Organization of visceral and limbic connections in the insular cortex of the rat. Journal of Comparative Neurology, 1991, 311, 1-16.	0.9	483
31	Critical Role of Dorsomedial Hypothalamic Nucleus in a Wide Range of Behavioral Circadian Rhythms. Journal of Neuroscience, 2003, 23, 10691-10702.	1.7	482
32	The hypothalamic integrator for circadian rhythms. Trends in Neurosciences, 2005, 28, 152-157.	4.2	481
33	Unraveling the central nervous system pathways underlying responses to leptin. Nature Neuroscience, 1998, 1, 445-450.	7.1	478
34	Altered parvalbumin-positive neuron distribution in basal ganglia of individuals with Tourette syndrome. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 13307-13312.	3.3	476
35	Melanopsin in cells of origin of the retinohypothalamic tract. Nature Neuroscience, 2001, 4, 1165-1165.	7.1	467
36	Schizophrenic subjects show aberrant fMRI activation of dorsolateral prefrontal cortex and basal ganglia during working memory performance. Biological Psychiatry, 2000, 48, 99-109.	0.7	466

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37	Hypothalamic Arousal Regions Are Activated during Modafinil-Induced Wakefulness. Journal of Neuroscience, 2000, 20, 8620-8628.	1.7	463
38	A neural mechanism for exacerbation of headache by light. Nature Neuroscience, 2010, 13, 239-245.	7.1	459
39	Afferents to the Ventrolateral Preoptic Nucleus. Journal of Neuroscience, 2002, 22, 977-990.	1.7	439
40	Neurobiology of the Sleep-Wake Cycle: Sleep Architecture, Circadian Regulation, and Regulatory Feedback. Journal of Biological Rhythms, 2006, 21, 482-493.	1.4	432
41	Reassessment of the structural basis of the ascending arousal system. Journal of Comparative Neurology, 2011, 519, 933-956.	0.9	427
42	A Broad Role for Melanopsin in Nonvisual Photoreception. Journal of Neuroscience, 2003, 23, 7093-7106.	1.7	418
43	Medullary and spinal efferents of the pedunculopontine tegmental nucleus and adjacent mesopontine tegmentum in the rat. Journal of Comparative Neurology, 1988, 269, 315-341.	0.9	405
44	The dorsomedial hypothalamic nucleus is critical for the expression of food-entrainable circadian rhythms. Nature Neuroscience, 2006, 9, 398-407.	7.1	404
45	Vagus Nerve Stimulation. Epilepsia, 1998, 39, 677-686.	2.6	400
46	Identification of Wake-Active Dopaminergic Neurons in the Ventral Periaqueductal Gray Matter. Journal of Neuroscience, 2006, 26, 193-202.	1.7	399
47	Leptin Activates Neurons in Ventrobasal Hypothalamus and Brainstem. Endocrinology, 1997, 138, 839-842.	1.4	390
48	Spinal and trigeminal dorsal horn projections to the parabrachial nucleus in the rat. Journal of Comparative Neurology, 1985, 240, 153-160.	0.9	381
49	Characterization of CART neurons in the rat and human hypothalamus. Journal of Comparative Neurology, 2001, 432, 1-19.	0.9	368
50	Orexin (Hypocretin) Neurons Contain Dynorphin. Journal of Neuroscience, 2001, 21, RC168-RC168.	1.7	365
51	Schizophrenic subjects activate dorsolateral prefrontal cortex during a working memory task, as measured by fMRI. Biological Psychiatry, 1999, 45, 1128-1137.	0.7	360
52	Midbrain dopaminergic cell loss in parkinson's disease: Computer visualization. Annals of Neurology, 1989, 26, 507-514.	2.8	359
53	Organization of cortical, basal forebrain, and hypothalamic afferents to the parabrachial nucleus in the rat. Journal of Comparative Neurology, 1990, 295, 624-661.	0.9	352
54	Homeostatic, circadian, and emotional regulation of sleep. Journal of Comparative Neurology, 2005, 493, 92-98.	0.9	336

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55	Chemical characterization of leptin-activated neurons in the rat brain. Journal of Comparative Neurology, 2000, 423, 261-281.	0.9	335
56	Bed nucleus of the stria terminalis: Cytoarchitecture, immunohistochemistry, and projection to the parabrachial nucleus in the rat. Journal of Comparative Neurology, 1989, 283, 315-332.	0.9	331
57	Neurochemical organization of the hypothalamic projection to the spinal cord in the rat. Journal of Comparative Neurology, 1988, 272, 579-604.	0.9	320
58	The Neurologic Basis of Fever. New England Journal of Medicine, 1994, 330, 1880-1886.	13.9	319
59	Organization of cerebral cortical afferent systems in the rat. II. Hypothalamocortical projections. Journal of Comparative Neurology, 1985, 237, 21-46.	0.9	314
60	Mechanisms of CNS response to systemic immune challenge: the febrile response. Trends in Neurosciences, 1997, 20, 565-570.	4.2	304
61	Wakeâ€“sleep circuitry: an overview. Current Opinion in Neurobiology, 2017, 44, 186-192.	2.0	299
62	Distribution of fos-like immunoreactivity in the rat brain following intravenous lipopolysaccharide administration. , 1996, 371, 85-103.		294
63	EP3 prostaglandin receptors in the median preoptic nucleus are critical for fever responses. Nature Neuroscience, 2007, 10, 1131-1133.	7.1	290
64	Organization of central adrenergic pathways: I. Relationships of ventrolateral medullary projections to the hypothalamus and spinal cord. Journal of Comparative Neurology, 1987, 259, 591-603.	0.9	289
65	Selective Activation of the Extended Ventrolateral Preoptic Nucleus during Rapid Eye Movement Sleep. Journal of Neuroscience, 2002, 22, 4568-4576.	1.7	287
66	The hypothalamus. Current Biology, 2014, 24, R1111-R1116.	1.8	287
67	Afferent connections of the median preoptic nucleus in the rat: Anatomical evidence for a cardiovascular integrative mechanism in the anteroventral third ventricular (AV3V) region. Brain Research, 1983, 288, 21-31.	1.1	284
68	Projections of the pedunculopontine tegmental nucleus in the rat: evidence for additional extrapyramidal circuitry. Brain Research, 1982, 252, 367-372.	1.1	271
69	Intravenous lipopolysaccharide induces cyclooxygenase 2-like immunoreactivity in rat brain perivascular microglia and meningeal macrophages. , 1997, 381, 119-129.		248
70	Reciprocal parabrachial-cortical connections in the rat. Brain Research, 1982, 242, 33-40.	1.1	245
71	The GABAergic parafacial zone is a medullary slow wave sleepâ€“promoting center. Nature Neuroscience, 2014, 17, 1217-1224.	7.1	245
72	A Proposal for a Coordinated Effort for the Determination of Brainwide Neuroanatomical Connectivity in Model Organisms at a Mesoscopic Scale. PLoS Computational Biology, 2009, 5, e1000334.	1.5	242

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73	Differential Rescue of Light- and Food-Entrainable Circadian Rhythms. Science, 2008, 320, 1074-1077.	6.0	239
74	Glucagon-like peptide-1 receptor stimulation increases blood pressure and heart rate and activates autonomic regulatory neurons. Journal of Clinical Investigation, 2002, 110, 43-52.	3.9	236
75	Ventromedial Preoptic Prostaglandin E2 Activates Fever-Producing Autonomic Pathways. Journal of Neuroscience, 1996, 16, 6246-6254.	1.7	227
76	Any way you cut it: A new journal policy for the use of unbiased counting methods. , 1996, 364, 5-5.		218
77	Recombinant adeno-associated virus vector: use for transgene expression and anterograde tract tracing in the CNS. Brain Research, 1998, 793, 169-175.	1.1	218
78	Neurochemical architecture of the human striatum. , 1997, 384, 1-25.		217
79	Organization of medullary adrenergic and noradrenergic projections to the periaqueductal gray matter in the rat. Journal of Comparative Neurology, 1992, 315, 34-52.	0.9	213
80	Distribution and characterization of tumor necrosis factor-?-like immunoreactivity in the murine central nervous system. Journal of Comparative Neurology, 1993, 337, 543-567.	0.9	213
81	Neural circuitry engaged by prostaglandins during the sickness syndrome. Nature Neuroscience, 2012, 15, 1088-1095.	7.1	212
82	Topographic organization of cardiovascular responses to electrical and glutamate microstimulation of the parabrachial nucleus in the rat. Journal of Comparative Neurology, 1992, 326, 245-262.	0.9	210
83	Role of endogenous sleepâ€wake and analgesic systems in anesthesia. Journal of Comparative Neurology, 2008, 508, 648-662.	0.9	207
84	Neural Circuitry of Stress-Induced Insomnia in Rats. Journal of Neuroscience, 2008, 28, 10167-10184.	1.7	206
85	Glutamatergic Signaling from the Parabrachial Nucleus Plays a Critical Role in Hypercapnic Arousal. Journal of Neuroscience, 2013, 33, 7627-7640.	1.7	195
86	The pontine REM switch: past and present. Journal of Physiology, 2007, 584, 735-741.	1.3	188
87	Organization of atriopeptin-like immunoreactive neurons in the central nervous system of the rat. Journal of Comparative Neurology, 1986, 253, 315-341.	0.9	187
88	A human brain network derived from coma-causing brainstem lesions. Neurology, 2016, 87, 2427-2434.	1.5	187
89	Expression of inducible cyclooxygenase mRNA in the mouse brain after systemic administration of bacterial lipopolysaccharide. Brain Research, 1996, 713, 64-69.	1.1	181
90	Chapter 1 The emotional motor system. Progress in Brain Research, 1996, 107, 3-6.	0.9	177

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91	An open letter to our readers on the use of antibodies. Journal of Comparative Neurology, 2005, 493, 477-478.	0.9	177
92	Galanin neurons in the ventrolateral preoptic area promote sleep and heat loss in mice. Nature Communications, 2018, 9, 4129.	5.8	176
93	Suprachiasmatic neuron numbers and restâ€“activity circadian rhythms in older humans. Annals of Neurology, 2015, 78, 317-322.	2.8	171
94	Cholecystokinin-, galanin-, and corticotropin-releasing factor-like immunoreactive projections from the nucleus of the solitary tract to the parabrachial nucleus in the rat. Journal of Comparative Neurology, 1990, 293, 581-598.	0.9	170
95	Distribution and characterization of cyclooxygenase immunoreactivity in the ovine brain. Journal of Comparative Neurology, 1992, 322, 409-438.	0.9	165
96	Staying awake for dinner: hypothalamic integration of sleep, feeding, and circadian rhythms. Progress in Brain Research, 2006, 153, 243-252.	0.9	159
97	A Guide to the Perplexed on the Specificity of Antibodies. Journal of Histochemistry and Cytochemistry, 2009, 57, 1-5.	1.3	155
98	A Novel Population of Wake-Promoting GABAergic Neurons in the Ventral Lateral Hypothalamus. Current Biology, 2016, 26, 2137-2143.	1.8	154
99	Characteristics of thermoregulatory and febrile responses in mice deficient in prostaglandin EP1 and EP3 receptors. Journal of Physiology, 2003, 551, 945-954.	1.3	153
100	Calcitonin gene-related peptide (CGRP) immunoreactive projections from the thalamus to the striatum and amygdala in the rat. Journal of Comparative Neurology, 1991, 308, 293-310.	0.9	152
101	Hypothalamic pathology in Alzheimer's disease. Neuroscience Letters, 1987, 74, 364-370.	1.0	148
102	Locus Ceruleus and Anterior Cingulate Cortex Sustain Wakefulness in a Novel Environment. Journal of Neuroscience, 2010, 30, 14543-14551.	1.7	141
103	Activation of neurons projecting to the paraventricular hypothalamic nucleus by intravenous lipopolysaccharide. , 1996, 374, 315-331.		139
104	Sleep is related to neuron numbers in the ventrolateral preoptic/intermediate nucleus in older adults with and without Alzheimerâ€™s disease. Brain, 2014, 137, 2847-2861.	3.7	136
105	Medullary catecholamine inputs to the anteroventral third ventricular cardiovascular regulatory region in the rat. Neuroscience Letters, 1983, 42, 285-291.	1.0	135
106	Parallel Preoptic Pathways for Thermoregulation. Journal of Neuroscience, 2009, 29, 11954-11964.	1.7	134
107	Spinal projections of the A5, A6 (locus coeruleus), and A7 noradrenergic cell groups in rats. Journal of Comparative Neurology, 2012, 520, 1985-2001.	0.9	134
108	Relationship of EP1-4 prostaglandin receptors with rat hypothalamic cell groups involved in lipopolysaccharide fever responses. Journal of Comparative Neurology, 2000, 428, 20-32.	0.9	131

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109	Supramammillary glutamate neurons are a key node of the arousal system. Nature Communications, 2017, 8, 1405.	5.8	131
110	Neuropeptide-immunoreactive neurons projecting to the paraventricular hypothalamic nucleus in the rat. Journal of Comparative Neurology, 1994, 346, 137-150.	0.9	130
111	Lipopolysaccharide Activates Specific Populations of Hypothalamic and Brainstem Neurons That Project to the Spinal Cord. Journal of Neuroscience, 2000, 20, 6578-6586.	1.7	129
112	Calcitonin gene-related peptide immunoreactivity in the visceral sensory cortex, thalamus, and related pathways in the rat. Journal of Comparative Neurology, 1989, 290, 487-501.	0.9	125
113	A hypothalamic circuit for the circadian control of aggression. Nature Neuroscience, 2018, 21, 717-724.	7.1	124
114	A Genetically Defined Circuit for Arousal from Sleep during Hypercapnia. Neuron, 2017, 96, 1153-1167.e5.	3.8	116
115	Inhibition of the firing of vasopressin neurons by atriopeptin. Nature, 1987, 329, 151-153.	13.7	113
116	Brain natriuretic peptides: Differential localization of a new family of neuropeptides. Neuroscience Letters, 1989, 96, 29-34.	1.0	113
117	The central circadian timing system. Current Opinion in Neurobiology, 2013, 23, 747-751.	2.0	106
118	Leptin Activates Neurons in Ventrobasal Hypothalamus and Brainstem. , 0, .		106
119	CORRESPONDENCE OF MELANIN-PIGMENTED NEURONS IN HUMAN BRAIN WITH A1â€“A14 CATECHOLAMINE CELL ROUPS. Brain, 1982, 105, 87-101.	3.7	105
120	Neuropeptide organization of the hypothalamic projection to the parabrachial nucleus in the rat. Journal of Comparative Neurology, 1990, 295, 662-682.	0.9	102
121	Cholecystokinin-immunoreactive innervation of the ventromedial hypothalamus in the rat: Possible substrate for autonomic regulation of feeding. Neuroscience Letters, 1985, 53, 289-296.	1.0	99
122	Preservation of hypothalamic dopaminergic neurons in Parkinson's disease. Annals of Neurology, 1985, 18, 552-555.	2.8	98
123	COX2 in CNS neural cells mediates mechanical inflammatory pain hypersensitivity in mice. Journal of Clinical Investigation, 2009, 119, 287-94.	3.9	98
124	Colocalization of atriopeptin-like immunoreactivity with choline acetyltransferase-and substance P-like immunoreactivity in the pedunculopontine and laterodorsal tegmental nuclei in the rat. Brain Research, 1986, 382, 163-168.	1.1	95
125	Medullary catecholaminergic neurons in the normal human brain and in Parkinson's disease. Annals of Neurology, 1991, 29, 577-584.	2.8	94
126	Lateral hypothalamic innervation of the cerebral cortex: Immunoreactive staining for a peptide resembling but immunochemically distinct from pituitary/arcuate Î±-melanocyte stimulating hormone. Brain Research Bulletin, 1986, 16, 107-120.	1.4	93

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127	Role of the Medial Prefrontal Cortex in Cataplexy. Journal of Neuroscience, 2013, 33, 9743-9751.	1.7	93
128	Focal Deletion of the Adenosine A1 Receptor in Adult Mice Using an Adeno-Associated Viral Vector. Journal of Neuroscience, 2003, 23, 5762-5770.	1.7	92
129	A Brainstem Network Mediating Apneic Reflexes in the Rat. Journal of Neuroscience, 1998, 18, 6048-6056.	1.7	91
130	Co-Localization of substance P- and phenylethanolamine-N-methyltransferase-like immunoreactivity in neurons of ventrolateral medulla that project to the spinal cord: Potential role in control of vasomotor tone. Neuroscience Letters, 1985, 55, 255-260.	1.0	90
131	Specificity of spinal projections from hypothalamic and brainstem areas which innervate sympathetic preganglionic neurons. Brain Research, 1985, 360, 159-164.	1.1	88
132	Neurobiological Basis of Fever. Annals of the New York Academy of Sciences, 1998, 856, 90-94.	1.8	87
133	Projections from the subparaventricular zone define four channels of output from the circadian timing system. Journal of Comparative Neurology, 2015, 523, 2714-2737.	0.9	86
134	Specific roles of cyclooxygenase-1 and cyclooxygenase-2 in lipopolysaccharide-induced fever and fos expression in rat brain. Journal of Comparative Neurology, 2003, 463, 3-12.	0.9	85
135	Respiratoryâ€related outputs of glutamatergic, hypercapniaâ€responsive parabrachial neurons in mice. Journal of Comparative Neurology, 2015, 523, 907-920.	0.9	83
136	Chapter 28 Endogenous pyrogens in the CNS: role in the febrile response. Progress in Brain Research, 1992, 93, 419-429.	0.9	82
137	Evidence for a cholinergic projection from the pedunculopontine tegmental nucleus to the rostral ventrolateral medulla in the rat. Brain Research, 1990, 517, 19-24.	1.1	80
138	Neurofibrillary tangles in the cerebral cortex of sheep. Neuroscience Letters, 1994, 170, 187-190.	1.0	80
139	Melanin-concentrating hormone neurons specifically promote rapid eye movement sleep in mice. Neuroscience, 2016, 336, 102-113.	1.1	80
140	Increased Fragmentation of Rest-Activity Patterns Is Associated With a Characteristic Pattern of Cognitive Impairment in Older Individuals. Sleep, 2012, 35, 633-640.	0.6	77
141	Microinjection of a cyclooxygenase inhibitor into the anteroventral preoptic region attenuates LPS fever. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 1998, 274, R783-R789.	0.9	75
142	Identifying the efferent projections of leptinâ€responsive neurons in the dorsomedial hypothalamus using a novel conditional tracing approach. Journal of Comparative Neurology, 2010, 518, 2090-2108.	0.9	75
143	Distribution of catecholamine-containing neurons in the normal human hypothalamus. Brain Research, 1985, 328, 73-80.	1.1	74
144	Stabilization of TMB Reaction Product for electron microscopic retrograde and anterograde fiber tracing. Brain Research Bulletin, 1985, 14, 277-281.	1.4	74

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145	Hypothalamic connections with the cerebral cortex. Progress in Brain Research, 2000, 126, 39-48.	0.9	73
146	Reciprocal Control of Drinking Behavior by Median Preoptic Neurons in Mice. Journal of Neuroscience, 2016, 36, 8228-8237.	1.7	72
147	Reduced Density of Cholinergic Interneurons in the Ventral Striatum in Schizophrenia: An In Situ Hybridization Study. Biological Psychiatry, 2005, 58, 408-416.	0.7	71
148	Effects of Sleep on Wake-Induced c-fosExpression. Journal of Neuroscience, 1997, 17, 9746-9750.	1.7	69
149	Ciliary Neurotrophic Factor and Leptin Induce Distinct Patterns of Immediate Early Gene Expression in the Brain. Diabetes, 2004, 53, 911-920.	0.3	69
150	Anatomical Location of the Mesencephalic Locomotor Region and Its Possible Role in Locomotion, Posture, Cataplexy, and Parkinsonism. Frontiers in Neurology, 2015, 6, 140.	1.1	69
151	Cholinergic innervation in the human hippocampal formation including the entorhinal cortex. Journal of Comparative Neurology, 1994, 345, 321-344.	0.9	67
152	The spinoparabrachial pathway: Shedding new light on an old path. Journal of Comparative Neurology, 1995, 353, 477-479.	0.9	66
153	Pathological changes in frontal cortex from biopsy to autopsy in Alzheimer's disease. Neurobiology of Aging, 1993, 14, 589-596.	1.5	65
154	Connections of the hippocampal formation in humans: I. The mossy fiber pathway. , 1997, 385, 325-351.		64
155	Synaptic and morphological characteristics of temperatureâ€sensitive and â€insensitive rat hypothalamic neurones. Journal of Physiology, 2001, 537, 521-535.	1.3	62
156	Localization of mu-opioid receptors on amygdaloid projection neurons in the parabrachial nucleus of the rat. Brain Research, 1999, 827, 198-204.	1.1	61
157	Molecular Evolution of Ï„ Protein: Implications for Alzheimer's Disease. Journal of Neurochemistry, 1996, 67, 1622-1632.	2.1	61
158	Effects of Lesions of the Histaminergic Tuberomammillary Nucleus on Spontaneous Sleep in Rats. Sleep, 2004, 27, 1275-1281.	0.6	61
159	What optogenetic stimulation is telling us (and failing to tell us) about fast neurotransmitters and neuromodulators in brain circuits for wakeâ€“sleep regulation. Current Opinion in Neurobiology, 2014, 29, 165-171.	2.0	61
160	Quantification of the Fragmentation of Rest-Activity Patterns in Elderly Individuals Using a State Transition Analysis. Sleep, 2011, 34, 1569-1581.	0.6	59
161	The lateral hypothalamic parvalbuminâ€immunoreactive (PV1) nucleus in rodents. Journal of Comparative Neurology, 2012, 520, 798-815.	0.9	57
162	Prostaglandin-dependent modulation of dopaminergic neurotransmission elicits inflammation-induced aversion in mice. Journal of Clinical Investigation, 2015, 126, 695-705.	3.9	56

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163	Neural Circuitry Underlying Waking Up to Hypercapnia. Frontiers in Neuroscience, 2019, 13, 401.	1.4	55
164	Central Autonomic System. , 2015, , 629-673.		54
165	Median preoptic glutamatergic neurons promote thermoregulatory heat loss and water consumption in mice. Journal of Physiology, 2017, 595, 6569-6583.	1.3	54
166	Cholinergic innervation of the human cerebellum. Journal of Comparative Neurology, 1993, 328, 364-376.	0.9	52
167	Central Neurogenic Hyperventilation. Archives of Neurology, 2005, 62, 1632-4.	4.9	51
168	Metabolic Effects of Chronic Sleep Restriction in Rats. Sleep, 2012, 35, 1511-1520.	0.6	49
169	Function of the locus coeruleus. Trends in Neurosciences, 1987, 10, 343-344.	4.2	48
170	Contrasting effects of E type prostaglandin (EP) receptor agonists on core body temperature in rats. Brain Research, 2003, 968, 256-262.	1.1	48
171	A common polymorphism near PER1 and the timing of human behavioral rhythms. Annals of Neurology, 2012, 72, 324-334.	2.8	48
172	A translational approach to capture gait signatures of neurological disorders in mice and humans. Scientific Reports, 2017, 7, 3225.	1.6	48
173	EP3R-Expressing Glutamatergic Preoptic Neurons Mediate Inflammatory Fever. Journal of Neuroscience, 2020, 40, 2573-2588.	1.7	46
174	Modafinil: a drug in search of a mechanism. Sleep, 2004, 27, 11-2.	0.6	46
175	Connections of the hippocampal formation in humans: II. The endfolial fiber pathway. Journal of Comparative Neurology, 1997, 385, 352-371.	0.9	45
176	Orexin, drugs and motivated behaviors. Nature Neuroscience, 2005, 8, 1286-1288.	7.1	45
177	Atriopeptin: potent hormone and potential neuromediator. Trends in Neurosciences, 1985, 8, 509-511.	4.2	44
178	Î±â€synuclein pathology accumulates in sacral spinal visceral sensory pathways. Annals of Neurology, 2015, 78, 142-149.	2.8	42
179	A Simple inexpensive and reliable nanoliter syringe. Brain Research Bulletin, 1983, 10, 403-405.	1.4	39
180	Evidence for a cortical projection to the magnocellular basal nucleus in the rat: an electron microscopic axonal transport study. Brain Research, 1985, 334, 339-343.	1.1	39

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181	Central Autonomic System. , 2004, , 761-796.		39
182	A Glutamatergic Hypothalamomedullary Circuit Mediates Thermogenesis, but Not Heat Conservation, during Stress-Induced Hyperthermia. Current Biology, 2018, 28, 2291-2301.e5.	1.8	39
183	The ventrolateral preoptic nucleus is not required for isoflurane general anesthesia. Brain Research, 2011, 1426, 30-37.	1.1	38
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