James M Krueger

List of Publications by Year
in descending order

213 papers	12,440 citations	15466 65 h-index	34900 98 g-index
214 all docs	214 docs citations	214 times ranked	6826 citing authors

#	Article	IF	Citations
1	Sleep as a fundamental property of neuronal assemblies. Nature Reviews Neuroscience, 2008, 9, 910-919.	4.9	520
2	The Role of Cytokines in Sleep Regulation. Current Pharmaceutical Design, 2008, 14, 3408-3416.	0.9	386
3	The Role of Cytokines in Physiological Sleep Regulation. Annals of the New York Academy of Sciences, 2001, 933, 211-221.	1.8	337
4	A neuronal group theory of sleep function. Journal of Sleep Research, 1993, 2, 63-69.	1.7	292
5	Sleep function: Toward elucidating an enigma. Sleep Medicine Reviews, 2016, 28, 46-54.	3.8	280
6	Biochemical regulation of non-rapid-eye-movement sleep. Frontiers in Bioscience - Landmark, 2003, 8, d520-550.	3.0	279
7	Links between the innate immune system and sleep. Journal of Allergy and Clinical Immunology, 2005, 116, 1188-1198.	1.5	244
8	Microbial Products and Cytokines in Sleep and Fever Regulation. Critical Reviews in Immunology, 1994, 14, 355-379.	1.0	189
9	Mice Lacking the TNF 55 kDa Receptor Fail to Sleep More After TNFÎ± Treatment. Journal of Neuroscience, 1997, 17, 5949-5955.	1.7	188
10	Vagotomy Blocks the Induction of Interleukin-1Î² (IL-1Î²) mRNA in the Brain of Rats in Response to Systemic IL-1Î². Journal of Neuroscience, 1998, 18, 2247-2253.	1.7	187
11	Sleep: A Physiologic Role for ILâ€1Î² and TNFâ€Îα a. Annals of the New York Academy of Sciences, 1998, 856, 148-159.	1.8	178
12	Intrapreoptic Microinjection of GHRH or Its Antagonist Alters Sleep in Rats. Journal of Neuroscience, 1999, 19, 2187-2194.	1.7	173
13	Prolactin, vasoactive intestinal peptide, and peptide histidine methionine elicit selective increases in REM sleep in rabbits. Brain Research, 1989, 490, 292-300.	1.1	155
14	GHRH and sleep. Sleep Medicine Reviews, 2004, 8, 367-377.	3.8	146
15	Humoral Links between Sleep and the Immune System. Annals of the New York Academy of Sciences, 2003, 992, 9-20.	1.8	145
16	Diurnal variation of TNFÎ± in the rat brain. NeuroReport, 1997, 8, 915-918.	0.6	131
17	Diurnal variations of interleukin-1Î² mRNA and Î²-actin mRNA in rat brain. Journal of Neuroimmunology, 1997, 75, 69-74.	1.1	126
18	Inhibition of nitric oxide synthesis inhibits rat sleep. Brain Research, 1994, 664, 189-196.	1.1	124

#	Article	IF	Citations
19	Sleep as a Prognostic Indicator During Infectious Disease in Rabbits. Experimental Biology and Medicine, 1993, 203, 179-192.	1.1	120
20	Biochemical Regulation of Sleep and Sleep Biomarkers. Journal of Clinical Sleep Medicine, 2011, 7, S38-42.	1.4	119
21	Brain organization and sleep function. Behavioural Brain Research, 1995, 69, 177-185.	1.2	111
22	Microbial Products and Cytokines in Sleep and Fever Regulation. Critical Reviews in Immunology, 2017, 37, 291-315.	1.0	108
23	Ghrelin microinjection into forebrain sites induces wakefulness and feeding in rats. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2007, 292, R575-R585.	0.9	107
24	Involvement of cytokines in slow wave sleep. Progress in Brain Research, 2011, 193, 39-47.	0.9	107
25	Effects of interleukin-1Î² on sleep are mediated by the type I receptor. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 1998, 274, R655-R660.	0.9	104
26	Sleep in mice with nonfunctional growth hormone-releasing hormone receptors. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2003, 284, R131-R139.	0.9	104
27	Diurnal Variations of Tumor Necrosis Factor Alpha mRNA and Alpha-Tubulin mRNA in Rat Brain. NeuroImmunoModulation, 1997, 4, 84-90.	0.9	102
28	The effects of immunolesions of nerve growth factor-receptive neurons by 192 IgG-saporin on sleep. Brain Research, 1996, 712, 53-59.	1.1	100
29	Obestatin alters sleep in rats. Neuroscience Letters, 2006, 404, 222-226.	1.0	100
30	Sleep and Cytokines. Sleep Medicine Clinics, 2007, 2, 161-169.	1.2	100
31	Circadian desynchronization of core body temperature and sleep stages in the rat. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 7634-7639.	3.3	97
32	Why we sleep: a theoretical view of sleep function. Sleep Medicine Reviews, 1999, 3, 119-129.	3.8	94
33	Sleep function. Frontiers in Bioscience - Landmark, 2003, 8, d511-519.	3.0	94
34	Cytokines in immune function and sleep regulation. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2011, 98, 229-240.	1.0	93
35	Sleep and innate immunity. Frontiers in Bioscience - Scholar, 2011, S3, 632-642.	0.8	93
36	A Local, Bottom-Up Perspective on Sleep Deprivation and Neurobehavioral Performance. Current Topics in Medicinal Chemistry, 2011, 11, 2414-2422.	1.0	93

#	Article	IF	Citations
37	Sleep and immunity: A growing field with clinical impact. Brain, Behavior, and Immunity, 2015, 47, 1-3.	2.0	89
38	State-specific asymmetries in EEG slow wave activity induced by local application of TNFÎ±. Brain Research, 2004, 1009, 129-136.	1.1	88
39	Local sleep. Sleep Medicine Reviews, 2019, 43, 14-21.	3.8	88
40	Cytokines in sleep regulation. Advances in Neuroimmunology, 1995, 5, 171-188.	1.8	86
41	Physiological markers of local sleep. European Journal of Neuroscience, 2009, 29, 1771-1778.	1.2	86
42	Interferon alpha-2 enhances slow-wave sleep in rabbits. International Journal of Immunopharmacology, 1987, 9, 23-30.	1.1	85
43	Intrapreoptic microinjection of TNF-Î± enhances non-REM sleep in rats. Brain Research, 2002, 932, 37-44.	1.1	84
44	Tumor necrosis factor alpha in sleep regulation. Sleep Medicine Reviews, 2018, 40, 69-78.	3.8	84
45	Growth hormoneâ€releasing hormone and interleukinâ€1 in sleep regulation. FASEB Journal, 1993, 7, 645-652.	0.2	83
46	Sleep: a synchrony of cell activityâ€driven small network states. European Journal of Neuroscience, 2013, 38, 2199-2209.	1.2	83
47	Local Use-Dependent Sleep; Synthesis of the New Paradigm. Current Topics in Medicinal Chemistry, 2011, 11, 2490-2492.	1.0	83
48	Sleep and immune function: glial contributions and consequences of aging. Current Opinion in Neurobiology, 2013, 23, 806-811.	2.0	82
49	Interleukin-1 is involved in responses to sleep deprivation in the rabbit. Brain Research, 1994, 639, 57-65.	1.1	81
50	Nitric Oxide Donors SIN-1 and SNAP Promote Nonrapid-Eye-Movement Sleep in Rats. Brain Research Bulletin, 1996, 41, 293-298.	1.4	81
51	Restricted feeding-induced sleep, activity, and body temperature changes in normal and preproghrelin-deficient mice. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2010, 298, R467-R477.	0.9	81
52	Effects of microbial challenge on sleep in rabbits. FASEB Journal, 1989, 3, 2062-2066.	0.2	80
53	ATP and the purine type 2 X7 receptor affect sleep. Journal of Applied Physiology, 2010, 109, 1318-1327.	1.2	80
54	Ghrelin-induced sleep responses in ad libitum fed and food-restricted rats. Brain Research, 2006, 1088, 131-140.	1.1	77

#	Article	IF	Citations
55	Delta Wave Power: An Independent Sleep Phenotype or Epiphenomenon?. Journal of Clinical Sleep Medicine, 2011, 7, S16-8.	1.4	77
56	Intratracheal double-stranded RNA plus interferon-Î³: A model for analysis of the acute phase response to respiratory viral infections. Life Sciences, 2004, 74, 2563-2576.	2.0	76
57	Nuclear factor-Î°B inhibitor peptide inhibits spontaneous and interleukin-1Î²-induced sleep. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2000, 279, R404-R413.	0.9	74
58	Spontaneous sleep in mice with targeted disruptions of neuronal or inducible nitric oxide synthase genes. Brain Research, 2003, 973, 214-222.	1.1	73
59	Sleep-Associated Changes in Interleukin-1Î² mRNA in the Brain. Journal of Interferon and Cytokine Research, 1998, 18, 793-798.	0.5	72
60	GHRH and IL1Î² increase cytoplasmic Ca2+ levels in cultured hypothalamic GABAergic neurons. Brain Research, 2002, 949, 209-212.	1.1	71
61	Brain distribution of cytokine mRNA induced by systemic administration of interleukin-1Î² or tumor necrosis factor Î±. Brain Research, 2006, 1120, 64-73.	1.1	71
62	The preproghrelin gene is required for the normal integration of thermoregulation and sleep in mice. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 14069-14074.	3.3	71
63	Sleep and the Immune Response. Annals of the New York Academy of Sciences, 1987, 496, 510-516.	1.8	70
64	Somnogenic activity of immune response modifiers. Trends in Pharmacological Sciences, 1990, 11, 122-126.	4.0	69
65	Tumor necrosis factor Î± increases cytosolic calcium responses to AMPA and KCl in primary cultures of rat hippocampal neurons. Brain Research, 2003, 981, 133-142.	1.1	69
66	Sleep loss changes microRNA levels in the brain: A possible mechanism for state-dependent translational regulation. Neuroscience Letters, 2007, 422, 68-73.	1.0	68
67	Spontaneous and influenza virus-induced sleep are altered in TNF-Î± double-receptor deficient mice. Journal of Applied Physiology, 2008, 105, 1187-1198.	1.2	67
68	Inhibition of tumor necrosis factor attenuates physiological sleep in rabbits. NeuroReport, 1996, 7, 642-646.	0.6	66
69	Vagotomy Attenuates Brain Cytokines and Sleep Induced by Peripherally Administered Tumor Necrosis Factor-Î± and Lipopolysaccharide in Mice. Sleep, 2013, 36, 1227-1238.	0.6	66
70	Microinjection of interleukin-1 into brain: Separation of sleep and fever responses. Physiology and Behavior, 1989, 45, 169-176.	1.0	64
71	Sleep as a host defense: Its regulation by microbial products and cytokines. Clinical Immunology and Immunopathology, 1990, 57, 188-199.	2.1	63
72	Non-rapid eye movement sleep is suppressed in transgenic mice with a deficiency in the somatotropic system. Neuroscience Letters, 1996, 220, 97-100.	1.0	63

#	Article	IF	Citations
73	Hypothalamic growth hormone-releasing hormone mRNA varies across the day in rats. NeuroReport, 1996, 7, 2501-2506.	0.6	63
74	Interleukin-1Î² has a Role in Cerebral Cortical State-Dependent Electroencephalographic Slow-Wave Activity. Sleep, 2005, 28, 177-186.	0.6	63
75	Humoral Sleep Regulation; Interleukin-1 and Tumor Necrosis Factor. Vitamins and Hormones, 2012, 89, 241-257.	0.7	63
76	Cytokines as Regulators of Sleep. Annals of the New York Academy of Sciences, 1994, 739, 299-310.	1.8	62
77	An anti-tumor necrosis factor antibody suppresses sleep in rats and rabbits. Brain Research, 1995, 690, 241-244.	1.1	62
78	Circadian variation of nitric oxide synthase activity and cytosolic protein levels in rat brain. Brain Research, 1996, 707, 127-130.	1.1	62
79	Subdiaphragmatic vagotomy blocks the sleepand fever-promoting effects of interleukin-1Î². American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 1997, 273, R1246-R1253.	0.9	62
80	Brain-derived neurotrophic factor enhances spontaneous sleep in rats and rabbits. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 1999, 276, R1334-R1338.	0.9	61
81	Influenza Viral Infections Enhance Sleep in Mice. Experimental Biology and Medicine, 1995, 210, 242-252.	1.1	60
82	Deficiency of Growth Hormone-Releasing Hormone Signaling Is Associated with Sleep Alterations in the Dwarf Rat. Journal of Neuroscience, 2001, 21, 2912-2918.	1.7	59
83	A network model for activity-dependent sleep regulation. Journal of Theoretical Biology, 2008, 253, 462-468.	0.8	59
84	Stimulation and Inhibition of Growth Hormone Secretion by Interleukin-1Î²; The Involvement of Growth Hormone-Releasing Hormone. Neuroendocrinology, 1992, 56, 118-123.	1.2	58
85	Sleep in host defense. Brain, Behavior, and Immunity, 2003, 17, 41-47.	2.0	56
86	Inhibition of tumor necrosis factor in the brain suppresses rabbit sleep. Pflugers Archiv European Journal of Physiology, 1995, 431, 155-160.	1.3	54
87	TNFÎ± siRNA reduces brain TNF and EEG delta wave activity in rats. Brain Research, 2007, 1156, 125-132.	1.1	54
88	Detection of mouse-adapted human influenza virus in the olfactory bulbs of mice within hours after intranasal infection. Journal of NeuroVirology, 2007, 13, 399-409.	1.0	54
89	Nuclear factor-ÎºB-like activity increases in murine cerebral cortex after sleep deprivation. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 1999, 276, R1812-R1818.	0.9	52
90	Interleukin-18 promotes sleep in rabbits and rats. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2001, 281, R828-R838.	0.9	52

#	Article	IF	Citations
91	Sleep deprivation increases the activation of nuclear factor kappa B in lateral hypothalamic cells. Brain Research, 2004, 1004, 91-97.	1.1	52
92	Detection of toxic viral-associated double-stranded RNA (dsRNA) in influenza-infected lung. Microbial Pathogenesis, 1991, 10, 105-115.	1.3	51
93	Thermoregulation and Sleep.. Annals of the New York Academy of Sciences, 1997, 813, 281-286.	1.8	51
94	Time of day differences in IL1Î² and TNFÎ± mRNA levels in specific regions of the rat brain. Neuroscience Letters, 2003, 352, 61-63.	1.0	51
95	Food Restriction Alters the Diurnal Distribution of Sleep in Rats. Physiology and Behavior, 1999, 67, 697-703.	1.0	49
96	Sleep deprivation but not a whisker trim increases nerve growth factor within barrel cortical neurons. Brain Research, 2001, 898, 105-112.	1.1	49
97	Interleukin-10 Inhibits Spontaneous Sleep in Rabbits. Journal of Interferon and Cytokine Research, 1999, 19, 1025-1030.	0.5	48
98	Somnogenic relationships between tumor necrosis factor and interleukin-1. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 1999, 276, R1132-R1140.	0.9	46
99	THE CLONING OF A RAT PEPTIDOGLYCAN RECOGNITION PROTEIN (PGRP) AND ITS INDUCTION IN BRAIN BY SLEEP DEPRIVATION. Cytokine, 2001, 13, 8-17.	1.4	46
100	Tumor necrosis factor enhances the sleepâ€like state and electrical stimulation induces a wakeâ€like state in coâ€cultures of neurons and glia. European Journal of Neuroscience, 2015, 42, 2078-2090.	1.2	46
101	Homer1a and 1bc levels in the rat somatosensory cortex vary with the time of day and sleep loss. Neuroscience Letters, 2004, 367, 105-108.	1.0	45
102	Diurnal Effects of Acute and Chronic Administration of Ethanol on Sleep in Rats. Alcoholism: Clinical and Experimental Research, 2002, 26, 1153-1161.	1.4	44
103	Sleep, Microbes and Cytokines. NeuroImmunoModulation, 1994, 1, 100-109.	0.9	42
104	Interleukin-15 and interleukin-2 enhance non-REM sleep in rabbits. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2001, 281, R1004-R1012.	0.9	42
105	Rapid Eye Movement Sleep Is Reduced in Prolactin-Deficient Mice. Journal of Neuroscience, 2005, 25, 10282-10289.	1.7	41
106	Vagotomy attenuates tumor necrosis factor-Î±-induced sleep and EEG Î´-activity in rats. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2001, 280, R1213-R1220.	0.9	40
107	Bacterial peptidoglycans as modulators of sleep. I. Anhydro forms of muramyl peptides enhance somnogenic potency. Brain Research, 1987, 403, 249-257.	1.1	39
108	Spontaneous sleep and homeostatic sleep regulation in ghrelin knockout mice. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2007, 293, R510-R517.	0.9	39

#	Article	IF	Citations
109	Unilateral cortical application of interleukin-1Î² (IL1Î²) induces asymmetry in fos, IL1Î² and nerve growth factor immunoreactivity: Implications for sleep regulation. Brain Research, 2007, 1131, 44-59.	1.1	39
110	Whisker stimulation increases expression of nerve growth factor- and interleukin-1Î²-immunoreactivity in the rat somatosensory cortex. Brain Research, 2010, 1333, 48-56.	1.1	39
111	Antiserum to Growth Hormone Decreases Sleep in the Rat. Neuroendocrinology, 1997, 66, 9-16.	1.2	38
112	Sleep disturbances in the rotenone animal model of Parkinson disease. Brain Research, 2005, 1042, 160-168.	1.1	38
113	MicroRNA 132 alters sleep and varies with time in brain. Journal of Applied Physiology, 2011, 111, 665-672.	1.2	38
114	Bacterial peptidoglycans as modulators of sleep. II. Effects of muramyl peptides on the structure of rabbit sleep. Brain Research, 1987, 403, 258-266.	1.1	36
115	Nerve growth factor enhances sleep in rabbits. Neuroscience Letters, 1999, 264, 149-152.	1.0	36
116	Sleep loss alters synaptic and intrinsic neuronal properties in mouse prefrontal cortex. Brain Research, 2011, 1420, 1-7.	1.1	36
117	MicroRNA 138, let-7b, and 125a inhibitors differentially alter sleep and EEG delta-wave activity in rats. Journal of Applied Physiology, 2012, 113, 1756-1762.	1.2	36
118	Intraperitoneal injection of cholecystokinin elicits sleep in rabbits. Physiology and Behavior, 1991, 50, 1241-1244.	1.0	35
119	Vagotomy attenuates but does not prevent the somnogenic and febrile effects of lipopolysaccharide in rats. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 1998, 274, R406-R411.	0.9	35
120	Epidermal growth factor enhances spontaneous sleep in rabbits. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 1998, 275, R509-R514.	0.9	35
121	Influenza virus-induced sleep responses in mice with targeted disruptions in neuronal or inducible nitric oxide synthases. Journal of Applied Physiology, 2004, 97, 17-28.	1.2	33
122	Attenuation of the influenza virus sickness behavior in mice deficient in Toll-like receptor 3. Brain, Behavior, and Immunity, 2010, 24, 306-315.	2.0	33
123	5â€²â€Ectonucleotidaseâ€knockout mice lack nonâ€REM sleep responses to sleep deprivation. European Journal of Neuroscience, 2012, 35, 1789-1798.	1.2	33
124	Pituitary adenylate cyclase activating polypeptide enhances rapid eye movement sleep in rats. Brain Research, 1995, 686, 23-28.	1.1	32
125	State-dependent effects of light-dark cycle on somatosensory and visual cortex EEG in rats. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2005, 289, R1083-R1089.	0.9	32
126	Sleep during Experimental Trypanosomiasis in Rabbits. Experimental Biology and Medicine, 1994, 205, 174-181.	1.1	31

#	Article	IF	Citations
127	The inhibitory effects of N omega-nitro-L-arginine methyl ester on nitric oxide synthase activity vary among brain regions in vivo but not in vitro. Neurochemical Research, 1997, 22, 81-86.	1.6	31
128	Humoral Regulation of Sleep. International Review of Neurobiology, 1993, 35, 131-160.	0.9	30
129	Glutamate induces the expression and release of tumor necrosis factor-Î± in cultured hypothalamic cells. Brain Research, 2005, 1053, 54-61.	1.1	30
130	Unilateral cortical application of tumor necrosis factor Î± induces asymmetry in Fos- and interleukin-1Î²-immunoreactive cells within the corticothalamic projection. Brain Research, 2005, 1055, 15-24.	1.1	30
131	Influenza virus- and cytokine-immunoreactive cells in the murine olfactory and central autonomic nervous systems before and after illness onset. Journal of Neuroimmunology, 2009, 211, 73-83.	1.1	30
132	Sleep and Cytokines. Sleep Medicine Clinics, 2012, 7, 517-527.	1.2	30
133	The neuron-specific interleukin-1 receptor accessory protein is required for homeostatic sleep and sleep responses to influenza viral challenge in mice. Brain, Behavior, and Immunity, 2015, 47, 35-43.	2.0	30
134	Sleep as a neuroimmune phenomenon: A brief historical perspective. Advances in Neuroimmunology, 1995, 5, 5-12.	1.8	29
135	Interleukin-13 and transforming growth factor-Î²1 inhibit spontaneous sleep in rabbits. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2000, 279, R786-R792.	0.9	29
136	Prostaglandins E2 and D2 have little effect on rabbit sleep. Physiology and Behavior, 1992, 51, 481-485.	1.0	28
137	Cafeteria diet-induced sleep is blocked by subdiaphragmatic vagotomy in rats. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 1998, 274, R168-R174.	0.9	28
138	Acute Cocaine Increases Interleukin-1Î² mRNA and Immunoreactive Cells in the Cortex and Nucleus Accumbens. Neurochemical Research, 2011, 36, 686-692.	1.6	28
139	Brain-specific interleukin-1 receptor accessory protein in sleep regulation. Journal of Applied Physiology, 2012, 112, 1015-1022.	1.2	28
140	Effects of preoptic area lesions on muramyl dipeptide-induced sleep and fever. Brain Research, 1989, 476, 396-399.	1.1	27
141	Interleukin-4 inhibits spontaneous sleep in rabbits. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 1998, 275, R1185-R1191.	0.9	27
142	Tumor necrosis factor receptor fragment attenuates interferon-Î³-induced non-REM sleep in rabbits. Journal of Neuroimmunology, 2001, 119, 192-198.	1.1	27
143	Cytokine mRNA induction by interleukin-1Î² or tumor necrosis factor Î± in vitro and in vivo. Brain Research, 2008, 1226, 89-98.	1.1	27
144	Localized Suppression of Cortical Growth Hormone-Releasing Hormone Receptors State-Specifically Attenuates Electroencephalographic Delta Waves. Journal of Neuroscience, 2010, 30, 4151-4159.	1.7	26

#	Article	IF	Citations
145	The role of nitric oxide synthases in the sleep responses to tumor necrosis factor-Î±. Brain, Behavior, and Immunity, 2004, 18, 390-398.	2.0	25
146	Humoral Regulation of Sleep. Physiology, 1998, 13, 189-194.	1.6	24
147	Sickness behaviour after lipopolysaccharide treatment in ghrelin deficient mice. Brain, Behavior, and Immunity, 2014, 36, 200-206.	2.0	24
148	Prolactin and Rapid Eye Movement Sleep Regulation. Sleep, 1995, , .	0.6	23
149	Synthetic influenza viral double-stranded RNA induces an acute-phase response in rabbits. Journal of Medical Virology, 1999, 57, 198-203.	2.5	23
150	Alterations in EEG activity and sleep after influenza viral infection in GHRH receptor-deficient mice. Journal of Applied Physiology, 2003, 95, 460-468.	1.2	23
151	A cyclooxygenase-2 inhibitor attenuates spontaneous and TNF-Î±-induced non-rapid eye movement sleep in rabbits. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2003, 285, R99-R109.	0.9	23
152	Cafeteria feeding induces interleukin-1Î² mRNA expression in rat liver and brain. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 1998, 274, R1734-R1739.	0.9	22
153	Influenza virus-induced glucocorticoid and hypothalamic and lung cytokine mRNA responses in dwarf lit/lit mice. Brain, Behavior, and Immunity, 2007, 21, 60-67.	2.0	22
154	The olfactory nerve has a role in the body temperature and brain cytokine responses to influenza virus. Brain, Behavior, and Immunity, 2010, 24, 281-288.	2.0	21
155	Night shift schedule alters endogenous regulation of circulating cytokines. Neurobiology of Sleep and Circadian Rhythms, 2021, 10, 100063.	1.4	20
156	Interleukin-8 promotes non-rapid eye movement sleep in rabbits and rats. Journal of Sleep Research, 2004, 13, 55-61.	1.7	19
157	Growth hormone-releasing hormone: cerebral cortical sleep-related EEG actions and expression. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2007, 293, R922-R930.	0.9	19
158	Sleep Deprivation and Time-on-Task Performance Decrement in the Rat Psychomotor Vigilance Task. Sleep, 2015, 38, 445-451.	0.6	19
159	Oxidized Glutathione Promotes Sleep in Rabbits. Brain Research Bulletin, 1998, 45, 545-548.	1.4	18
160	Different brain structures mediate drinking and sleep suppression elicited by the somatostatin analog, octreotide, in rats. Brain Research, 2003, 994, 115-123.	1.1	18
161	Sleep and body temperature responses in an acute viral infection model are altered in interferon type I receptor-deficient mice. Brain, Behavior, and Immunity, 2006, 20, 290-299.	2.0	18
162	Interferon type I receptor-deficient mice have altered disease symptoms in response to influenza virus. Brain, Behavior, and Immunity, 2007, 21, 311-322.	2.0	18

#	Article	IF	Citations
163	Hypothalamic releasing hormones mediating the effects of interleukin-1 on sleep. Journal of Cellular Biochemistry, 1993, 53, 309-313.	1.2	17
164	Voluntary Sleep Loss in Rats. Sleep, 2016, 39, 1467-1479.	0.6	16
165	Neurotrophins 3 and 4 enhance non-rapid eye movement sleep in rabbits. Neuroscience Letters, 2003, 346, 161-164.	1.0	15
166	Time of day differences in the number of cytokine-, neurotrophin- and NeuN-immunoreactive cells in the rat somatosensory or visual cortex. Brain Research, 2010, 1337, 32-40.	1.1	15
167	Energy homeostasis regulatory peptides in hibernating grizzly bears. General and Comparative Endocrinology, 2011, 172, 181-183.	0.8	15
168	Interleukin 37 expression in mice alters sleep responses to inflammatory agents and influenza virus infection. Neurobiology of Sleep and Circadian Rhythms, 2017, 3, 1-9.	1.4	15
169	Interleukin-1 receptor accessory proteins are required for normal homeostatic responses to sleep deprivation. Journal of Applied Physiology, 2019, 127, 770-780.	1.2	15
170	Sleep deprivation increases rat hypothalamic growth hormone-releasing hormone mRNA. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 1998, 275, R1755-R1761.	0.9	14
171	P2X7 receptors in body temperature, locomotor activity, and brain mRNA and lncRNA responses to sleep deprivation. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2016, 311, R1004-R1012.	0.9	14
172	Glial cell line-derived neurotrophic factor promotes sleep in rats and rabbits. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2001, 280, R1001-R1006.	0.9	13
173	Somnogenic activity of muramyl peptide-derived immune adjuvants. International Journal of Immunopharmacology, 1994, 16, 109-116.	1.1	12
174	Influenza virus pathophysiology and brain invasion in mice with functional and dysfunctional Mx1 genes. Brain, Behavior, and Immunity, 2012, 26, 83-89.	2.0	12
175	Olfactory Bulb and Hypothalamic Acute-Phase Responses to Influenza Virus: Effects of Immunization. NeuroImmunoModulation, 2013, 20, 323-333.	0.9	12
176	Sleep and circadian rhythms: Evolutionary entanglement and local regulation. Neurobiology of Sleep and Circadian Rhythms, 2020, 9, 100052.	1.4	12
177	IL-6-trans-signalling increases rapid-eye-movement sleep in rats. European Journal of Pharmacology, 2009, 613, 141-145.	1.7	11
178	Sleep Modifies Glutamate Decarboxylase mRNA Within the Barrel Cortex of Rats After a Mystacial Whisker Trim. Sleep, 2001, 24, 261-266.	0.6	10
179	Somnogenic Cytokines: Methods and Overview. Methods in Neurosciences, 1993, , 111-129.	0.5	9
180	Sleep in spontaneous dwarf rats. Brain Research, 2006, 1108, 133-146.	1.1	9

#	Article	IF	Citations
181	A wake-like state in vitro induced by transmembrane TNF/soluble TNF receptor reverse signaling. Brain, Behavior, and Immunity, 2021, 94, 245-258.	2.0	9
182	The neuron-specific interleukin-1 receptor accessory protein alters emergent network state properties in Vitro. Neurobiology of Sleep and Circadian Rhythms, 2019, 6, 35-43.	1.4	9
183	Editorial [Hot Topic: Local Use-Dependent Sleep (Guest Editors: J.M. Krueger & J.P. Wisor)]. Current Topics in Medicinal Chemistry, 2011, 11, 2390-2391.	1.0	7
184	Sleep and Host Defense. , 2017, , 193-201.e5.		7
185	Subdiaphragmatic vagotomy does not block sleep deprivation-induced sleep in rats. Physiology and Behavior, 1998, 64, 361-365.	1.0	6
186	Intracerebroventricular injection of erythropoietin enhances sleep in the rat. Brain Research Bulletin, 2003, 61, 541-546.	1.4	6
187	Interleukin-1 involvement in the regulation of sleep. , 1992, , 151-171.		6
188	Differential Effects of Total and Upper Airway Influenza Viral Infection on Sleep in Mice. Sleep, 1996, , .	0.6	5
189	The anterolateral projections of the medial basal hypothalamus affect sleep. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2009, 296, R1228-R1238.	0.9	5
190	Cytokines and Sleep Regulation. Neurobiological Foundation of Aberrant Behaviors, 2003, , 147-165.	0.2	5
191	Sleep's Kernel: Surprisingly small sections of brain, and even neuronal and glial networks in a dish, display many electrical indicators of sleep. Scientist, 2016, 30, 36-41.	2.0	5
192	Infectious Disease and Sleep: Involvement of Neuroendocrine-Neuroimmune Mechanisms. International Journal of Neuroscience, 1990, 51, 359-362.	0.8	4
193	Neuroimmunology of Sleep. , 0, , 1247-1257.		4
194	Interleukin-1Î² induces CREB-binding protein (CBP) mRNA in brain and the sequencing of rat CBP. Molecular Brain Research, 2005, 137, 213-222.	2.5	4
195	The somatotropic axis in sleep and thermoregulation: A tribute to Ferenc ObÃ¡l, Jr. (1948â€“2004). Journal of Thermal Biology, 2006, 31, 30-39.	1.1	4
196	Inflammation and Sleep. , 2012, , 607-616.		4
197	HUMORAL MECHANISMS OF SLEEP. , 2005, , 23-43.		4
198	TRANSLATION OF BRAIN ACTIVITY INTO SLEEP. Hirosaki Medical Journal, 2012, 63, S1-S16.	1.0	4

#	Article	IF	Citations
199	An interleukin-1 receptor fragment blocks ambient temperature-induced increases in brain temperature but not sleep in rabbits. Neuroscience Letters, 1998, 244, 125-128.	1.0	3
200	Platelet activating factor and its metabolite promote sleep in rabbits. Neuroscience Letters, 2006, 394, 233-238.	1.0	3
201	The ATP-cytokine-adenosine hypothesis: How the brain translates past activity into sleep. Sleep and Biological Rhythms, 2011, 9, 29-33.	0.5	3
202	Sleep- and time of day-linked RNA transcript expression in wild-type and IL1 receptor accessory protein-null mice. Journal of Applied Physiology, 2020, 128, 1506-1522.	1.2	3
203	Cytokines and Sleep. NeuroImmune Biology, 2008, 6, 213-240.	0.2	2
204	Cytokine Involvement in Sleep Responses to Infection and Physiological Sleep. Neuroscience Intelligence Unit, 1996, , 41-71.	0.5	2
205	Host Defense. , 2005, , 256-265.		2
206	Sleep and the Immune Response. , 2005, , 767-772.		1
207	Sleep and Host Defense. , 2011, , 281-290.		1
208	Animal Models of Sleep. Journal of Musculoskeletal Pain, 1998, 6, 87-92.	0.3	0
209	What exactly is it that sleeps? The evolution, regulation, and organization of an emergent network property. , 2001, , 86-106.		0
210	A network model for activity-dependent sleep regulation. , 2008, , .		0
211	Hormones and Sleep. , 2019, , 641-645.		0
212	Cytokines and Sleep Mechanisms. , 1994, , 161-171.		0
213	Local circuits: the fundamental minimal unit for emergent sleep. , 2023, , 373-380.		0