

Akira Terao

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

1,990
citations

279798

23
h-index

330143

37
g-index

40
all docs

40
docs citations

40
times ranked

2373
citing authors

#	ARTICLE	IF	CITATIONS
1	A role for cryptochromes in sleep regulation. <i>BMC Neuroscience</i> , 2002, 3, 20.	1.9	265
2	Optogenetic Manipulation of Activity and Temporally Controlled Cell-Specific Ablation Reveal a Role for MCH Neurons in Sleep/Wake Regulation. <i>Journal of Neuroscience</i> , 2014, 34, 6896-6909.	3.6	187
3	REM sleep—active MCH neurons are involved in forgetting hippocampus-dependent memories. <i>Science</i> , 2019, 365, 1308-1313.	12.6	138
4	Differential increase in the expression of heat shock protein family members during sleep deprivation and during sleep. <i>Neuroscience</i> , 2003, 116, 187-200.	2.3	137
5	Gene expression in the rat brain during sleep deprivation and recovery sleep: an Affymetrix GeneChip® study. <i>Neuroscience</i> , 2006, 137, 593-605.	2.3	128
6	Immune response gene expression increases in the aging murine hippocampus. <i>Journal of Neuroimmunology</i> , 2002, 132, 99-112.	2.3	102
7	CSF levels of prostaglandins, especially the level of prostaglandin D2, are correlated with increasing propensity towards sleep in rats. <i>Brain Research</i> , 1997, 751, 81-89.	2.2	101
8	Transcriptional regulation of the mouse fatty acid amide hydrolase gene. <i>Gene</i> , 2002, 291, 203-210.	2.2	96
9	Region-specific changes in immediate early gene expression in response to sleep deprivation and recovery sleep in the mouse brain. <i>Neuroscience</i> , 2003, 120, 1115-1124.	2.3	80
10	Interleukin-1 Induces Slow-Wave Sleep at the Prostaglandin D2-Sensitive Sleep-Promoting Zone in the Rat Brain. <i>Journal of Neuroscience</i> , 1998, 18, 6599-6607.	3.6	73
11	Age-related decline in hypocretin (orexin) receptor 2 messenger RNA levels in the mouse brain. <i>Neuroscience Letters</i> , 2002, 332, 190-194.	2.1	71
12	Thermogenic Ability of Uncoupling Protein 1 in Beige Adipocytes in Mice. <i>PLoS ONE</i> , 2013, 8, e84229.	2.5	67
13	Cytokine-induced change in hypothalamic norepinephrine turnover: involvement of corticotropin-releasing hormone and prostaglandins. <i>Brain Research</i> , 1993, 622, 257-261.	2.2	55
14	Enhancement of slow-wave sleep by tumor necrosis factor- α is mediated by cyclooxygenase-2 in rats. <i>NeuroReport</i> , 1998, 9, 3791-3796.	1.2	52
15	Diet-induced obesity disrupts ductal development in the mammary glands of nonpregnant mice. <i>Developmental Dynamics</i> , 2009, 238, 1092-1099.	1.8	48
16	Prepro-hypocretin (Prepro-Orexin) Expression is Unaffected by Short-Term Sleep Deprivation in Rats and Mice. <i>Sleep</i> , 2000, 23, 1-8.	1.1	39
17	Progressive Loss of the Orexin Neurons Reveals Dual Effects on Wakefulness. <i>Sleep</i> , 2016, 39, 369-377.	1.1	39
18	Age-related changes in histamine receptor mRNA levels in the mouse brain. <i>Neuroscience Letters</i> , 2004, 355, 81-84.	2.1	35

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19	Roles of Prostaglandins D ₂ and E ₂ in Interleukin-1-induced Activation of Norepinephrine Turnover in the Brain and Peripheral Organs of Rats. <i>Journal of Neurochemistry</i> , 1995, 65, 2742-2747.	3.9	31
20	Royal jelly ameliorates diet-induced obesity and glucose intolerance by promoting brown adipose tissue thermogenesis in mice. <i>Obesity Research and Clinical Practice</i> , 2018, 12, 127-137.	1.8	26
21	Modulation of the promoter region of prepro-hypocretin by $\hat{\pm}$ -interferon. <i>Gene</i> , 2001, 262, 123-128.	2.2	25
22	Attenuated fever in pregnant rats is associated with blunted syntheses of brain cyclooxygenase-2 and PGE2. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2002, 283, R1346-R1353.	1.8	25
23	Possible involvement of uncoupling protein 1 in appetite control by leptin. <i>Experimental Biology and Medicine</i> , 2011, 236, 1274-1281.	2.4	25
24	Cyclooxygenase in the vagal afferents: is it involved in the brain prostaglandin response evoked by lipopolysaccharide?. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2000, 85, 88-92.	2.8	21
25	Central IL-1 differentially regulates peripheral IL-6 and TNF synthesis. <i>Cellular and Molecular Life Sciences</i> , 1998, 54, 282-287.	5.4	19
26	Retinol binding protein 4 in dairy cows: its presence in colostrum and alteration in plasma during fasting, inflammation, and the peripartum period. <i>Journal of Dairy Research</i> , 2010, 77, 27-32.	1.4	17
27	Proinsulin C-peptide activates $\hat{\pm}$ -enolase: implications for C-peptide-cell membrane interaction. <i>Journal of Biochemistry</i> , 2012, 152, 53-62.	1.7	15
28	Neuropeptide Y activates phosphorylation of ERK and STAT3 in stromal vascular cells from brown adipose tissue, but fails to affect thermogenic function of brown adipocytes. <i>Peptides</i> , 2012, 34, 336-342.	2.4	12
29	Melinjo (<i>Gnetum gnemon</i> L.) seed extract induces uncoupling protein 1 expression in brown fat and protects mice against diet-induced obesity, inflammation, and insulin resistance. <i>Nutrition Research</i> , 2018, 58, 17-25.	2.9	11
30	Hypothalamic prepro-orexin mRNA level is inversely correlated to the non-rapid eye movement sleep level in high-fat diet-induced obese mice. <i>Obesity Research and Clinical Practice</i> , 2013, 7, e251-e257.	1.8	10
31	Retinoic acid modulates lipid accumulation glucose concentration dependently through inverse regulation of SREBP-1 expression in 3T3L1 adipocytes. <i>Genes To Cells</i> , 2017, 22, 568-582.	1.2	10
32	Melanin-concentrating hormone-producing neurons in the hypothalamus regulate brown adipose tissue and thus contribute to energy expenditure. <i>Journal of Physiology</i> , 2021, , .	2.9	10
33	Gene expression in the rat brain during prostaglandin D ₂ and adenosinergically-induced sleep. <i>Journal of Neurochemistry</i> , 2008, 105, 1480-1498.	3.9	8
34	Geldanamycin enhances hepatocyte growth factor stimulation of eNOS phosphorylation in endothelial cells. <i>European Journal of Pharmacology</i> , 2008, 582, 110-115.	3.5	4
35	Plasma haptoglobin response to intracerebroventricular administration of cytokines in rats. <i>Biomedical Research</i> , 1995, 16, 353-356.	0.9	3
36	Possible role of IL-6 in IL-1-induced plasma iron and corticosterone responses in rats. <i>Biomedical Research</i> , 1993, 14, 301-303.	0.9	2

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37	Behavioral characteristics of dopamine D5 receptor knockout mice. Scientific Reports, 2022, 12, 6014.	3.3	2
38	Progesterone dose-dependently modulates hepatocyte growth factor production in 3T3-L1 mouse preadipocytes. Endocrine Journal, 2017, 64, 777-785.	1.6	1
39	Sleep and aging: molecular approaches within a systems neurobiology context. Advances in Cell Aging and Gerontology, 2005, 17, 165-191.	0.1	0
40	Roles of the hypocretin/orexins in the regulation of sleep and wakefulness. Japanese Journal of Veterinary Research, 2008, 55, 75-83.	0.7	0