Ramalingam Vetrivelan

List of Publications by Year
in descending order

25 papers	1,364 citations	567281 15 h-index	642732 23 g-index
25 all docs	25 docs citations	25 times ranked	2148 citing authors

#	Article	IF	Citations
1	Mitochondrial ROS regulate thermogenic energy expenditure and sulfenylation of UCP1. Nature, 2016, 532, 112-116.	27.8	341
2	Galanin neurons in the ventrolateral preoptic area promote sleep and heat loss in mice. Nature Communications, 2018, 9, 4129.	12.8	176
3	Brainstem and Spinal Cord Circuitry Regulating REM Sleep and Muscle Atonia. PLoS ONE, 2011, 6, e24998.	2.5	127
4	Identification and Characterization of a Sleep-Active Cell Group in the Rostral Medullary Brainstem. Journal of Neuroscience, 2012, 32, 17970-17976.	3.6	102
5	Medullary Circuitry Regulating Rapid Eye Movement Sleep and Motor Atonia. Journal of Neuroscience, 2009, 29, 9361-9369.	3.6	96
6	Melanin-concentrating hormone neurons specifically promote rapid eye movement sleep in mice. Neuroscience, 2016, 336, 102-113.	2.3	80
7	Nigrostriatal Dopamine Acting on Globus Pallidus Regulates Sleep. Cerebral Cortex, 2016, 26, 1430-1439.	2.9	69
8	Role of Basal Ganglia in Sleepâ€“Wake Regulation: Neural Circuitry and Clinical Significance. Frontiers in Neuroanatomy, 2010, 4, 145.	1.7	68
9	Metabolic Effects of Chronic Sleep Restriction in Rats. Sleep, 2012, 35, 1511-1520.	1.1	49
10	Lateral hypothalamic neurotensin neurons promote arousal and hyperthermia. PLoS Biology, 2019, 17, e3000172.	5.6	39
11	Melanin-concentrating hormone neurons contribute to dysregulation of rapid eye movement sleep in narcolepsy. Neurobiology of Disease, 2018, 120, 12-20.	4.4	34
12	Critical Dynamics and Coupling in Bursts of Cortical Rhythms Indicate Non-Homeostatic Mechanism for Sleep-Stage Transitions and Dual Role of VLPO Neurons in Both Sleep and Wake. Journal of Neuroscience, 2020, 40, 171-190.	3.6	31
13	Ventrolateral periaqueductal gray mediates rapid eye movement sleep regulation by melanin-concentrating hormone neurons. Neuroscience, 2019, 406, 314-324.	2.3	25
14	Ventral medullary control of rapid eye movement sleep and atonia. Experimental Neurology, 2017, 290, 53-62.	4.1	23
15	Recurring circadian disruption alters circadian clock sensitivity to resetting. European Journal of Neuroscience, 2020, 51, 2343-2354.	2.6	19
16	Acute sleep deprivation enhances susceptibility to the migraine substrate cortical spreading depolarization. Journal of Headache and Pain, 2020, 21, 86.	6.0	18
17	Sleep induction and temperature lowering by medial preoptic Î±1 adrenergic receptors. Physiology and Behavior, 2006, 87, 707-713.	2.1	12
18	Melanin-concentrating hormone neurons promote rapid eye movement sleep independent of glutamate release. Brain Structure and Function, 2019, 224, 99-110.	2.3	12

#	Article	IF	Citations
19	Sleep-Wake Control by Melanin-Concentrating Hormone (MCH) Neurons: a Review of Recent Findings. Current Neurology and Neuroscience Reports, 2020, 20, 55.	4.2	11
20	Armodafinil-induced wakefulness in animals with ventrolateral preoptic lesions. Nature and Science of Sleep, 2014, 6, 57.	2.7	10
21	Unmasking of Î±1 adrenoceptor induced hypnogenic response from medial preoptic area. Physiology and Behavior, 2005, 84, 641-650.	2.1	9
22	Chronic circadian disruption on a high-fat diet impairs glucose tolerance. Metabolism: Clinical and Experimental, 2022, 130, 155158.	3.4	8
23	Neural Circuitry Regulating REM Sleep and Its Implication in REM Sleep Behavior Disorder. , 2019, , 559-577.		4
24	Roles of motor and cortical activity in sleep rebound in rat. European Journal of Neuroscience, 2020, 52, 4100-4114.	2.6	1
25	Role of glutamate release from melanin-concentrating hormone neurons in REM sleep regulation. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2020, 93, 1-O-014.	0.0	0